| Feature   | 2022              | 2021 | 2020 | 2019 |
|---|-------------------|------|------|------|
| What's New  |                   |      |      |      |
| NEW! Brush Library with enhanced brushes                      | ✓                 |      |      |      |
| NEW! Captured dab library & workflow                          | ✓                 |      |      |      |
| NEW! Dab Effects  | ✓                 |      |      |      |
| <b>NEW!</b> Brush Size Library                                | ✓                 |      |      |      |
| <b>NEW!</b> Brush Favorites                                   | ✓                 |      |      |      |
| <b>NEW!</b> Brush Filters                                     | ✓                 |      |      |      |
| <b>NEW!</b> Brushes compatible with watercolor layers         | ✓                 |      |      |      |
| NEW! Transform watercolor layers                              | ✓                 |      |      |      |
| <b>NEW!</b> Grayscale in Navigator                            | ✓                 |      |      |      |
| <b>NEW!</b> Spotlight Layer                                   | ✓                 |      |      |      |
| <b>NEW!</b> Clear layer content with Delete                   | ✓                 |      |      |      |
| NEW! Lock, Move and Convert multiple layers                   | ✓                 |      |      |      |
| NEW! Color Dodge composite method                             | ✓                 |      |      |      |
| NEW! Color Burn composite method                              | <b>✓</b>          |      |      |      |
| NEW & ENHANCED! Cover Methods                                 | ✓                 |      |      |      |
| IMPROVED! Edge Quality (circular and captured dab brushes)    | ✓                 |      |      |      |
| ENHANCED! Brush smoothing                                     | ✓                 |      |      |      |
| EXTENDED! GPU acceleration for New and Enhanced cover methods | up to 50x faster  |      |      |      |
| ENHANCED! Performance of erasers & other brush engines        | up to 2x faster   |      |      |      |
| ENHANCED! Impasto Brushes                                     | up to 2.4x faster |      |      |      |
| Brushes   |                   |      |      |      |
| Acrylics  | ✓                 | ✓    | ✓    | ✓    |
| Airbrushes  | ✓                 | ✓    | ✓    | ✓    |
| Audio Expression  | ✓                 | ✓    | ✓    | ✓    |
| Blenders  | ✓                 | ✓    | ✓    | ✓    |
| Chalks  | ✓                 | ✓    | ✓    | ✓    |
| Crayons   | ✓                 | ✓    | ✓    | ✓    |
|   |                   |      |      |      |

| Cloners  | Feature           | 2022     | 2021 | 2020 | 2019 |
|--|-------------------|----------|------|------|------|
| Data Stancilis         ✓   | Cloners           | <b>✓</b> | ✓    | ✓    | ✓    |
| Erssers  | Clone Tinting     | <b>✓</b> | ✓    |      |      |
| Erissers  F-X  Gouache  √  Glazing  Image Hose  Impasto  Uquid Ink  Markers  Oils  Pastels  Pastels  ✓  Particles  Particles  ✓  Pencils  Sargent  Selection brushes  Smart Strokes  V  Texture Brushes  Tinck paint  Watercolors  Tinck paint  Watercolors  V  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓   | Dab Stencils      | <b>✓</b> | ✓    | ✓    | ✓    |
| F-X  | Dynamic Speckles  | <b>✓</b> | ✓    | ✓    | ✓    |
| Gouache  | Erasers           | <b>✓</b> | ✓    | ✓    | ✓    |
| Clazing  | F-X               | <b>✓</b> | ✓    | ✓    | ✓    |
| Image Hose         V         V         V           Impasto         V         V         V           Liquid Ink         V         V         V           Markers         V         V         V           Oils         V         V         V           Pastels         V         V         V           Pastels         V         V         V           Pattern Fens         V         V         V           Pattern Pens         V         V         V           Pens         V         V         V           Pencils         V         V         V           Sargent         V         V         V           Selection brushes         V         V         V           Smart Strokes         V         V         V           Stamps         V         V         V           Sponges         V         V         V           Sumire         V         V         V           Texture Brushes         V         V         V           Thick paint         V         V         V           Value         V         V         V  | Gouache           | <b>✓</b> | ✓    | ✓    | ✓    |
| Impasto  | Glazing           | <b>✓</b> | ✓    | ✓    | ✓    |
| Liquid Ink         ✓ <td< td=""><td>lmage Hose</td><td><b>✓</b></td><td>✓</td><td>✓</td><td>✓</td></td<> | lmage Hose        | <b>✓</b> | ✓    | ✓    | ✓    |
| Markers       ✓       ✓       ✓       ✓         Oils       ✓       ✓       ✓       ✓         Pastels       ✓       ✓       ✓       ✓         Palette Knives       ✓       ✓       ✓       ✓         Particles       ✓       ✓       ✓       ✓         Pattern Pens       ✓       ✓       ✓       ✓         Pens       ✓       ✓       ✓       ✓         Pencils       ✓       ✓       ✓       ✓         Sargent       ✓       ✓       ✓       ✓         Selection brushes       ✓       ✓       ✓       ✓         Stamps       ✓       ✓       ✓       ✓         Stamps       ✓       ✓       ✓       ✓       ✓         Sumi-e       ✓       ✓       ✓       ✓       ✓       ✓         Thick paint       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓         Color Tools       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓ </td <td>Impasto</td> <td><b>✓</b></td> <td>✓</td> <td>✓</td> <td>✓</td>  | Impasto           | <b>✓</b> | ✓    | ✓    | ✓    |
| Oils         ✓ <td>Liquid Ink</td> <td><b>✓</b></td> <td>✓</td> <td>✓</td> <td>✓</td>          | Liquid Ink        | <b>✓</b> | ✓    | ✓    | ✓    |
| Pastels         ✓<   | Markers           | <b>✓</b> | ✓    | ✓    | ✓    |
| Palette Knives         ✓         ✓         ✓           Particles         ✓         ✓         ✓           Pattern Pens         ✓         ✓         ✓           Pens         ✓         ✓         ✓           Pencils         ✓         ✓         ✓           Sargent         ✓         ✓         ✓           Selection brushes         ✓         ✓         ✓           Smart Strokes         ✓         ✓         ✓           Stamps         ✓         ✓         ✓           Stamps         ✓         ✓         ✓           Sumi-e         ✓         ✓         ✓           Texture Brushes         ✓         ✓         ✓           Thick paint         ✓         ✓         ✓           Watercolors         ✓         ✓         ✓           Color Tools  | Oils              | <b>✓</b> | ✓    | ✓    | ✓    |
| Particles         ✓  | Pastels           | <b>✓</b> | ✓    | ✓    | ✓    |
| Pattern Pens         ✓         <   | Palette Knives    | <b>✓</b> | ✓    | ✓    | ✓    |
| Pens         ✓ <td>Particles</td> <td><b>✓</b></td> <td>✓</td> <td>✓</td> <td>✓</td>           | Particles         | <b>✓</b> | ✓    | ✓    | ✓    |
| Pencils         ✓<   | Pattern Pens      | <b>✓</b> | ✓    | ✓    | ✓    |
| Sargent  Selection brushes  Selection brushes  Smart Strokes  Smart Strokes  Stamps  Stamps  Sponges  Sponges  Sumi-e  Texture Brushes  Thick paint  Watercolors  Color Tools  | Pens              | <b>✓</b> | ✓    | ✓    | ✓    |
| Selection brushes  Smart Strokes  V V V V Stamps  Sponges  V Sumi-e  Texture Brushes  V V V V V V V V V V Color Tools  | Pencils           | <b>✓</b> | ✓    | ✓    | ✓    |
| Smart Strokes  Stamps  Stamps  Sponges  Sumi-e  Texture Brushes  Thick paint  Watercolors  Color Tools   | Sargent           | <b>✓</b> | ✓    | ✓    | ✓    |
| Stamps  Sponges  Sumi-e  Texture Brushes  Thick paint  Watercolors  Color Tools  | Selection brushes | <b>✓</b> | ✓    | ✓    | ✓    |
| Sponges  Sumi-e  Texture Brushes  Thick paint  Watercolors  Color Tools  | Smart Strokes     | <b>✓</b> | ✓    | ✓    | ✓    |
| Sumi-e  Texture Brushes  Thick paint  Watercolors  Color Tools   | Stamps            | <b>✓</b> | ✓    | ✓    | ✓    |
| Texture Brushes  V V V Thick paint V Watercolors V Color Tools   | Sponges           | <b>✓</b> | ✓    | ✓    | ✓    |
| Thick paint  Watercolors  Color Tools  | Sumi-e            | <b>✓</b> | ✓    | ✓    | ✓    |
| Watercolors ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓  | Texture Brushes   | <b>✓</b> | ✓    | ✓    | ✓    |
| Color Tools  | Thick paint       | <b>✓</b> | ✓    | ✓    | ✓    |
|  | Watercolors       | <b>✓</b> | ✓    | ✓    | ✓    |
| Color harmonies  | Color Tools       |          |      |      |      |
|  | Color harmonies   | ✓        | ✓    | ✓    |      |

| Feature                                    | 2022     | 2021 | 2020 | 2019 |
|--|----------|------|------|------|
| Color ramps in sliders                     | <b>✓</b> | ✓    | ✓    |      |
| Color mixer                                | ✓        | ✓    | ✓    | ✓    |
| Color wheel                                | ✓        | ✓    | ✓    | ✓    |
| Color sets                                 | <b>√</b> | ✓    | ✓    | ✓    |
| Color picker                               | ✓        | ✓    | ✓    | ✓    |
| Gradients                                  | ✓        | ✓    | ✓    | ✓    |
| Photo Art Tools                            |          |      |      |      |
| Artificial Intelligence Styles             | ✓        | ✓    |      |      |
| Al Presets                                 | ✓        | ✓    |      |      |
| Clone Tinting                              | ✓        | ✓    |      |      |
| Quick Clone                                | ✓        | ✓    | ✓    | ✓    |
| Cloning with image, texture or pattern     | ✓        | ✓    | ✓    | ✓    |
| Multiple clone sources                     | ✓        | ✓    | ✓    | ✓    |
| Resize clone sources                       | ✓        | ✓    | ✓    | ✓    |
| Transparency Cloning Support               | ✓        | ✓    | ✓    | ✓    |
| Smart Stroke auto painting                 | ✓        | ✓    | ✓    | ✓    |
| Tracing Paper                              | ✓        | ✓    | ✓    | ✓    |
| Photo Restoration                          | ✓        | ✓    | ✓    | ✓    |
| User Interface                             |          |      |      |      |
| Photo art quick palette                    | ✓        | ✓    |      |      |
| Thick Paint layer controls                 | ✓        | ✓    |      |      |
| Watercolor layer controls                  | ✓        | ✓    |      |      |
| Layer compatibility icons                  | ✓        | ✓    |      |      |
| Full View and Narrow brush selector panels | ✓        | ✓    | ✓    |      |
| Inline dab and stroke previews             | ✓        | ✓    | ✓    |      |
| Advanced brush controls                    | ✓        | ✓    | ✓    | ✓    |
| Dark user interface                        | ✓        | ✓    | ✓    | ✓    |
| 650+ redesigned application icons          | ✓        | ✓    | ✓    | ✓    |
| Brush hints                                | ✓        | ✓    | ✓    | ✓    |
| Customizable palettes                      | ✓        | ✓    | ✓    | ✓    |
| Artist layouts                             | ✓        | ✓    | ✓    | ✓    |

| Context sensitive property bars  Visual tooltips  Command Bar  Customizable Workspaces & Layouts | V V V V V    | ✓<br>✓<br>✓ |
|--|--------------|-------------|
| Command Bar  Customizable Workspaces & Layouts  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓            | ✓<br>✓       | <b>✓</b>    |
| Customizable Workspaces & Layouts  | <b>✓</b>     | -           |
|  | _            | <b>√</b>    |
|  | ✓            | _           |
| Customizable keyboard shortcuts  |              | ✓           |
| Reference Image ✓ ✓  | ✓            | ✓           |
| Image Navigator  | ✓            | ✓           |
| Clone Source Palette ✓ ✓   | ✓            | ✓           |
| Tools & Effects  |              |             |
| Layer Adjuster ✓ ✓   | ✓            | ✓           |
| Drag to Zoom ✓ ✓   | ✓            | ✓           |
| Fill Tool  | ✓            | ✓           |
| Transform  | ✓            | ✓           |
| Selection Tool & Brush ✓ ✓   | ✓            | ✓           |
| Customizable Papers & Flow Maps  | ✓            | ✓           |
| Flip and rotate canvas   | ✓            | ✓           |
| Interactive brush editing  | ✓            | ✓           |
| Perspective Guides   | ✓            | ✓           |
| Divine Proportion  | ✓            | ✓           |
| Layout Grid  | ✓            | ✓           |
| Paint with Symmetry  | ✓            | ✓           |
| Vector Shapes ✓ ✓  | ✓            | ✓           |
| Text ✓ ✓   | ✓            | ✓           |
| Rulers 🗸 🗸   | ✓            | ✓           |
| Surface Lighting & Texture   | ✓            | ✓           |
| Apply Effects ✓ ✓  | ✓            | ✓           |
| Texture Synthesis ✓ ✓  | ✓            | ✓           |
| Interactive Gradient tool & Express Painting   | ✓            | ✓           |
| Performance  |              |             |
| Brush Accelerator™ ✓ ✓   | (introduced) |             |

| Feature   | 2022     | 2021             | 2020            | 2019 |
|---|----------|------------------|-----------------|------|
| GPU acceleration for stamp brushes                  | <b>✓</b> | up to 20x faster | (introduced)    |      |
| Improved Drip & Liquid (Sargent) brush technologies | <b>✓</b> | up to 4x faster  |                 |      |
| Faster brush and tool switching                     | <b>✓</b> | ✓                |                 |      |
| Texture brush technologies                          | <b>✓</b> | up to 2x faster  |                 |      |
| Improved document manipulation                      | ✓        | ✓                | up to 5x faster |      |
| Improved pan, zoom and rotate speed                 | ✓        | ✓                | ✓               |      |
| Support & Compatibility                             |          |                  |                 |      |
| Apple Silicon with Rosetta 2                        | ✓        | ✓                |                 |      |
| Apple Sidecar support                               | <b>✓</b> | ✓                |                 |      |
| Apple Pencil support                                | ✓        | ✓                |                 |      |
| Apple Touch Bar support                             | ✓        | ✓                |                 |      |
| Apple Trackpad two-finger gesture support           | ✓        | ✓                |                 |      |
| Multi-Core support                                  | ✓        | ✓                | ✓               | ✓    |
| Wacom tablet & multi-touch support                  | ✓        | ✓                | ✓               | ✓    |
| Windows touch support                               | ✓        | ✓                | ✓               | ✓    |
| Adobe Photoshop support (PSD)                       | ✓        | ✓                | ✓               | ✓    |
| Color Management support                            | ✓        | ✓                | ✓               | ✓    |
| RTS support   | ✓        | ✓                | ✓               | ✓    |
| 2-in-1 or dual personality                          | ✓        | ✓                | ✓               | ✓    |
| 64-bit Mac and Windows                              | ✓        | ✓                | ✓               | ✓    |
| Content   | 1        |                  |                 |      |
| Patterns  | ✓        | ✓                | ✓               | ✓    |
| Flow Maps   | ✓        | ✓                | ✓               | ✓    |
| Gradients   | ✓        | ✓                | ✓               | ✓    |
| Images  | ✓        | ✓                | ✓               | ✓    |
| Looks   | ✓        | ✓                | ✓               | ✓    |
| Nozzles   | ✓        | ✓                | ✓               | ✓    |
| Papers  | ✓        | ✓                | ✓               | ✓    |
| Selections  | ✓        | ✓                | ✓               | ✓    |

| Feature                              | 2022        | 2021 | 2020     | 2019 |
|--------------------------------------|-------------|------|----------|------|
| Textures                             | <b>&gt;</b> | ✓    | <b>✓</b> | ✓    |
| Weaves                               | ✓           | ✓    | ✓        | ✓    |
| Learning materials and Documentation |             |      |          |      |
| Quick Start Guide                    | ✓           | ✓    | ✓        | ✓    |
| User Guide                           | <b>✓</b>    | ✓    | ✓        | ✓    |
| Welcome Book tutorials               | <b>✓</b>    | ✓    | ✓        | ✓    |
| Help Topics                          | <b>✓</b>    | ✓    | ✓        | ✓    |
| Hints                                | <b>✓</b>    | ✓    | ✓        | ✓    |

Note - Painter 2022 has a brand new brush library. All past brush libraries can be accessed for free via the welcome book.