PHOTO PERSONA SHORTCUTS

- Esc: Cancel Operation
- F1: Help
- F2: Toggle Active Selector
- F3: Toggle Frequency Separation Layers
- F4: Toggle Snapping
- F5: Toggle Marquees
- F6: Cycle Marquees
- F7: Cycle Paint Tools
- F8: Cycle Pen/Node Tools
- F9: Cycle Pen/Gradient Tools
- F10: Cycle Dodge/Burn/Sponge Brushes
- F11: Cycle Erase Brushes
- F12: Cycle Text Tools

- Ctrl: Hold for View Tool
- Ctrl: Reset Selection Box
- Alt Gr: Set Selector to None
- Alt: Deselect
- Windows: Convert to Curves
- Windows: Switch View

- Caps Lock: Select All
- A: Clone Brush Tool
- S: Save
- D: Deselect
- F: Toggle Frequency Separation Layers
- G: Group
- H: View Tool
- J: Duplicade
- K: Cycle Retouch Tools
- L: Levels
- M: Cycle Marquees
- N: New
- Ctrl: Zoom to Fit
- Win: Zoom Out
- Win: Zoom In
- Win: 100% Size
- Win: 200% Size
- Win: 400% Size
- Win: 800% Size
- Win: Actual Size
- Win: Pixel Size

- 1: 10% Opacity
- 2: 20% Opacity
- 3: 30% Opacity
- 4: 40% Opacity
- 5: 50% Opacity
- 6: 60% Opacity
- 7: 70% Opacity
- 8: 80% Opacity
- 9: 90% Opacity
- 0: 100% Opacity
- Zoom to Fit
- Zoom Out
- Zoom In
- Zoom Actual Size
- Zoom Pixel Size

- Cut
- Copy
- Paste
- Grow/Shrink Selection
- New
- Merge Down
- Redo
- HSL
- Invert
- Print
- Back One
- Fwd One
- Convert to Curves
- Switch View
- Close
- Rulers
- Open
- Exit
- Exit
- Exit
- Exit

- Windows: Help
- Windows: Cancel Operation
LIQUIFY PERSONA SHORTCUTS

- Esc
- F1 Help
- F2 Freeze Tool
- F3 Reconstruct Tool
- F4 Hold for View Tool
- F5 Hold for View Tool
- F6 Freeze Tool
- F7 Reconstruct Tool
- F8 Hold for View Tool
- F9 Freeze Tool
- F10 Reconstruct Tool
- F11 Hold for View Tool
- F12 Freeze Tool

- 1 Zoom 100%
- 2 Zoom 200%
- 3 Zoom 300%
- 4 Zoom 400%
- 5 Zoom 500%
- 6 Zoom 600%
- 7 Actual Size
- 8 Actual Size
- 9 Actual Size
- 0 Zoom to Fit

- - Zoom Out
- + Zoom In

- Q Switch View
- W Toggle Lit
- E Thaw Tool
- R Rulers
- T Twirl Tool
- Y Redo
- U Pinch Tool
- I Invert Mask
- O Open
- P Push Forward Tool
- \ Decrease Brush Size
- ] Increase Brush Size

- A Mask All
- S Clear Mask
- D Freeze Tool
- F View Tool
- G Punch Tool
- H Punch Tool
- I Punch Tool
- J Guides
- K Grid
- L Cycle Split

- Z Undo
- X Mesh Clone Tool
- C Turbulence Tool
- V New
- B New
- N Pref.

- Ctrl Windows
- Alt Alt Gr

- Hold for View Tool
ADVANCED TEXT

Press buttons for various actions
Ctrl  Alt  Shift

F7  F8  F9  F10  F11  F12
B  9  0  I  O  P
J  K  L
M

Ctrl + T  Character Panel
Ctrl + G + T  Typography Dialog

Ctrl + \  Non-Breaking Space

Alt + \  Line Break

Alt +  En Dash
Alt + Em Dash
Alt + Superscript

Alt + Smaller
Alt + Bigger

Ctrl + \  Decrease Leading
Ctrl + Alt +  Decrease Spacing
Ctrl + Alt + \  Decrease Spacing More

Ctrl + Alt + \  Loosen Spacing
Ctrl + Alt +  Loosen Spacing More

Ctrl + Alt + \  Precise Increase Leading
Ctrl + Alt + \  Precise Decrease Leading

EXPRERSSIONS

For use in input boxes in the Transform panel (and other areas of the UI)

Original
W: 120 px
H: 150 px

W: 118+55 = 173 px
W: 37*4 = 148 px
W: ++80 = 200 px
W: -=20 = 100 px
W: *=2 = 240 px
W: /=2 = 60 px
W: *=+1.4 = 168 px

W: *=75% = 90 px
W: +=h+30 = 180 px
W: -=h-h = 145 px
W: *=2h = 300 px
W: *=h/2 = 75 px
W: *=g*7h = 242.7 px
### MODIFIERS & LAYER CONTROL

<table>
<thead>
<tr>
<th>Feature</th>
<th>Modifier Keys/Actions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clone, Healing &amp; Liquify Mesh Clone</td>
<td>Alt</td>
<td>Selects a source.</td>
</tr>
<tr>
<td>Dodge/Burn &amp; Blur/Sharpen tools</td>
<td>Alt</td>
<td>Temporarily switches to the opposite tool.</td>
</tr>
<tr>
<td>Freehand Selection Tool</td>
<td>Shift, Shift, Alt, Alt + Drag, Right button down + Drag</td>
<td>Temporarily switches to Polygon from Freehand. Temporarily switches between Polygonal and Magnetic. Temporarily switches to Freehand from Polygonal or Magnetic.</td>
</tr>
<tr>
<td>General</td>
<td>Shift, Ctrl, Alt, Right button down</td>
<td>Reverses aspect ratio constraint on scaling. Scales from the centre of selection. Rotates from opposite corner of layer.</td>
</tr>
<tr>
<td>Layers Panel</td>
<td>Double-click, Layer 1, Layer 1, Alt + Click, Ctrl + Click</td>
<td>Change layer name. Zoom to layer. Show selected only. Pixel selection from layer.</td>
</tr>
<tr>
<td>Liquify tools</td>
<td>Shift, Alt</td>
<td>Reduces rate of application of the effect. Switches to the opposite of the default effect.</td>
</tr>
<tr>
<td>Painting</td>
<td>Shift, Alt + Drag, Alt + Right button down + Drag</td>
<td>Draws straight line connecting two strokes. Temporarily switches to the colour picker. Left-right changes width, up-down changes hardness of brush.</td>
</tr>
<tr>
<td>Pixel selections</td>
<td>Shift, Ctrl, Alt, Right button down + Drag</td>
<td>Constrains marquee to square or circle. Moves underlaying layer with selection. Removes from selection. Adds to selection.</td>
</tr>
<tr>
<td>Pixel Tool</td>
<td>Ctrl</td>
<td>Erases from the current layer or objects.</td>
</tr>
<tr>
<td>Vector drawing tools</td>
<td>Shift, Alt, Ctrl</td>
<td>Constrains node position and handle angles. Sets node to Sharp (for creating cusps). Temporarily switches to Node editing (from Pen).</td>
</tr>
<tr>
<td>White Balance Tool</td>
<td>Shift, Alt + Drag</td>
<td>Creates an average of multiple sampled points. Creates a sample from a marquee.</td>
</tr>
<tr>
<td>Zoom Tool</td>
<td>Alt + Click, Alt + Drag</td>
<td>Zooms out. Zoom to marquee.</td>
</tr>
</tbody>
</table>