

MARQUEE SELECTION TOOLS

- Move (V)** shift drag constrains 0°, 45°, 90°; opt/alt drag to duplicate layer
- Artboard (V)** shift drag keeps ratio, draws square; opt/alt drag duplicates
- Rectangular Marquee (M)** shift drag constrains square; shift adds to selected area; opt/alt takes away from selection; shift + opt/alt selects intersection; cmd/ctrl moves selected pixels; opt/alt + cmd/ctrl copies selected pixels
- Elliptical Marquee (M)** shift drag constrains to circle; shift adds to selection; opt/alt takes away from selection; shift + opt/alt selects intersection; cmd/ctrl moves selected pixels; opt/alt + cmd/ctrl copies selected pixels
- Single Row Marquee** shift adds a row of pixels to selection; opt/alt removes a row of pixels from selection; cmd/ctrl moves selected pixels; opt/alt plus cmd/ctrl moves a copy of selected pixels
- Single Column Marquee** similar to Single Row Marquee, above
- Lasso (L)** shift adds to selection; opt/alt subtracts from selection; shift plus opt/alt to make intersection of areas; cmd/ctrl invokes Move tool
- Polygonal Lasso (L)** shift constrains 0°, 45°, 90°; opt/alt drag for freehand drawing; delete/backspace removes segments; cmd/ctrl click closes
- Magnetic Lasso (L)** click to place fastening points; opt/alt drag to invoke Lasso tool; opt/alt click to invoke Polygonal Lasso tool; delete or backspace to remove fastening points; [or] to change radius width
- Quick Selection (W)** shift adds to selection; opt/alt subtracts from selection; [or] to change brush diameter; shift plus [or] to change hardness
- Magic Wand (W)** shift adds to selection; opt/alt subtracts from selection; shift plus opt/alt gives the intersection of two selections

OTHER TOOLS

- Crop (C)** shift constrains to square; opt/alt draws out from center
- Perspective Crop (C)** shift constrains square; opt/alt draws from center
- Slice (C)** shift constrains to square; opt/alt draws from center; cmd/ctrl invokes Slice Select tool
- Slice Select (C)** used for creating webpage html table rows and cells; shift click to select multiple slices; cmd/ctrl invokes Slice tool
- Eyedropper (I)** [if foreground color is targeted] click or drag to sample foreground color; opt/alt click or drag to sample new background color
- Color Sampler (I)** click to set up to 4 persistent color sample readings; opt/alt click to remove the color sample targets
- 3D Material Eyedropper (I)** allows copying a texture on a 3D surface
- Ruler (I)** shift drag constrains 0°, 45°, 90°; opt/alt drag an end to measure an angle; also double-click end and drag to measure an angle
- Note (I)** double-click to open Notes panel to write; delete note by clicking trashcan in Notes panel; also right click to delete note
- Count (I)** drag to move marker; shift drag constrains 0°, 45°, 90°; opt/alt removes count marker

NAVIGATION

- Hand (H)** opt/alt to zoom out; cmd/ctrl to zoom in
- Rotate View (R)** shift constrains 0°, 45°, 90°; double-click tool to reset
- Zoom (Z)** click to zoom in; opt/alt click zoom out; cmd/ctrl move layer

PAINTING AND RETOUCHING TOOLS

- Spot Healing Brush (J)** click or drag to heal; click then shift click to brush a straight line; drag plus shift constrains to 0°, 45°, 90°; [or] to change brush diameter; shift plus [or] to change edge hardness
- Healing (J)** opt/alt to sample; then click or drag to heal; click then shift click to brush a straight line; drag plus shift constrains to 0°, 45°, 90°; [or] to change brush diameter; shift plus [or] to change edge hardness
- Patch (J)** drag to encircle blemish; then drag selection to clear area of picture to heal; shift adds to selection; opt/alt takes away from selection
- Content-Aware Move (J)** shift adds to selected area; opt/alt removes from selection; shift + opt/alt intersects selection area; shift+drag constrains
- Red Eye (J)** click on the red region of eye in picture to recolor to black
- Brush (B)** click then shift click for straight; drag + shift constrains 0°, 45°, 90°; [or] changes diameter; shift + [or] changes hardness; opt/alt samples color
- Pencil (B)** click then shift click to brush a straight line; opt/alt to sample color; drag + shift constrains 0°, 45°, 90°; [or] to change diameter; try auto erase
- Color Replacement (B)** click + shift click brushes straight; opt/alt samples color; [or] changes diameter; shift + [or] changes hardness
- Mixer Brush (B)** opt/alt click to load sample color from the canvas; click and then shift+click to paint a straight line; spacebar to pan the view
- Clone Stamp (S)** opt/alt samples source; click + shift click brushes straight; drag + shift constrains; [or] changes diameter; shift + [or] changes edge hardness
- Pattern Stamp (S)** click then shift click brushes straight; drag + shift constrains 0°, 45°, 90°; [or] changes diameter; shift + [or] edge hardness
- History Brush (Y)** click then shift click brushes straight; drag + shift constrains 0°, 45°, 90°; [or] changes diameter; shift + [or] edge hardness
- Art History Brush (Y)** click then shift click brushes straight; drag + shift constrains 0°, 45°, 90°; [or] changes diameter; shift + [or] hardness
- Eraser (E) Frame** opt/alt erases to history; click then shift click is straight; drag + shift constrains; [or] changes diameter; shift + [or] hardness
- Background Eraser (E) Frame** click then shift click brushes straight; drag + shift constrains; [or] changes diameter; shift + [or] changes hardness
- Magic Eraser (E)** opt/alt samples color; shift + opt/alt for color sampler
- Gradient (G)** opt/alt samples color; shift + opt/alt invokes color sampler; shift + drag constrains 0°, 45°, 90°
- Paint Bucket (G)** opt/alt samples color; shift + opt/alt for color sampler
- 3D Material Drop (G)** opt/alt; shift write something here
- Blur** click then shift click brushes straight; drag + shift constrains; [or] changes diameter; shift + [or] changes edge hardness
- Sharpen** click then shift click brushes straight; drag + shift constrains; [or] changes diameter; shift + [or] changes edge hardness
- Smudge** click then shift click brush straight; drag + shift constrains; [or] changes diameter; shift + [or] changes edge hardness
- Dodge (O)** drag + shift constrains to 0°, 45°, 90°; click then shift click brushes straight; [or] changes diameter; shift + [or] edge hardness

- Burn (O)** drag + shift constrains to 0°, 45°, 90°; click then shift click brushes straight; [or] changes diameter; shift + [or] edge hardness
- Sponge (O)** drag + shift constrains to 0°, 45°, 90°; click then shift click brushes straight; [or] changes diameter; shift + [or] edge hardness

VECTOR DRAWING & TYPE TOOLS

- Pen (P)** shift constrains; opt/alt invokes Convert Direction Point tool; cmd/ctrl invokes white Direct Selection tool; shift over path segment invokes new drawing
- Freeform Pen (P)** experiment with the Curve Fit in the Geometry Options and the Magnetic option switch on the Control Panel
- Add Anchor Point** opt/alt click when over anchor point removes anchor; opt/alt plus drag when over path segment duplicates the selected path
- Delete Anchor Point** opt/alt invokes Add Anchor Point tool
- Convert Point** shift constrains direction points 0°, 45°, 90°; opt/alt drag from corner anchor point pulls out asymmetrical leading direction point
- Horizontal Type (T)** shift drag constrains square; drag plus opt/alt draws from center; opt/alt click or drag for Paragraph Text Size
- Vertical Type (T)** shift drag constrains square; drag + opt/alt draws from center; opt/alt click or drag invokes Paragraph Text Size dialog box
- Horizontal Type Mask (T)** shift drag constrains square; drag + opt/alt draws from center; opt/alt click or drag invokes Paragraph Text Size
- Vertical Type Mask (T)** similar to Horizontal Type Mask tool, above
- Path Selection (A)** shift click to select multiple paths; opt/alt drag to duplicate path; cmd/ctrl invokes white Direct Selection tool
- Direct Selection (A)** shift click selects more anchors; opt/alt click selects all anchors; opt/alt drag duplicates path; cmd/ctrl invokes Path Selection
- Rectangle (U)** shift drag constrains square; opt/alt draws from center
- Rounded Rectangle (U)** shift drag constrains; opt/alt draws from center
- Ellipse (U)** shift drag constrains circle; opt/alt draws from center
- Polygon (U)** shift drag constrains; opt/alt draws from center
- Line (U)** shift constrains to 0°, 45°, 90°
- Custom Shape (U)** shift constrains ratio; opt/alt draws from center

FOREGROUND AND BACKGROUND COLORS

- Set Foreground Color (X)** click to set Foreground Color in color picker
- Set Background Color (X)** click to set Background Color in color picker
- Switch Foreground and Background Colors (X)** click to switch
- Default Foreground and Background Colors (D)** click default
- Edit in Quick Mask Mode (Q)** click or press Q for Quick Mask mode

SCREEN MODES

- Standard Screen Mode (F)**
- Full Screen Mode with Menu Bar (F)**
- Full Screen Mode (F)**

AND THIS ONE

- Edit Toolbar** click to open up a Customize Toolbar dialog box