

Converting Colors

Hex(78FF40)

Have a look what the booklet for
Hex(78FF40) contains.

Hex(78FF40)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(78FF40)

Conversions

Conversions Part 1

Format	Color
Hex	78FF40
RGB	120, 255, 64
RGB Percent	47%, 100%, 25%
CMY	0.5294, 0.0000, 0.7490
CMYK	0.53, 0.00, 0.75, 0.00
HSL	102°, 100%, 63%
HSV	102°, 75%, 100%
XYZ	44.4311, 75.8832, 17.1557
YIQ	192.8610, -19.1490, -88.0210

Conversions

Conversions Part 2

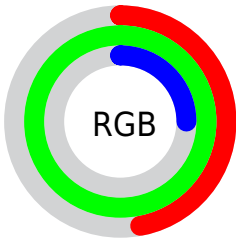
Format	Color
RYB	64, 255, 199
Decimal	7929664
CIELab	89.81, -68.01, 74.40
CIELCh	90, 100.799, 132.430
Yxy	75.8832, 0.3232, 0.5520
Android (android.graphics.Color)	4286119744 (0xFF78FF40)
YUV	192.8610, -63.5285, -63.8991
Hunter-Lab	87.1110, -61.3999, 49.3011

Details

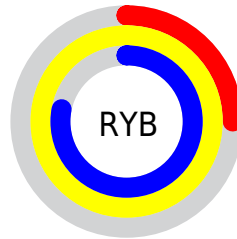
The Hex color **78FF40** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **C740FF**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **B7FF7C**, and **2FC500** is the 20% darker color. If you saturate the color by 10%, you get **66FF26**, and if you desaturate by 10%, it is **8AFF5A**.

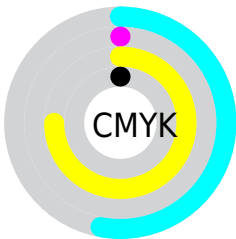
Distribution



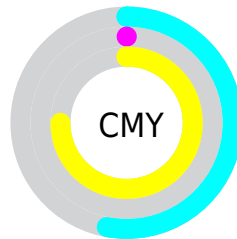
- Red (47%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



- Cyan (53%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 78FF40 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 78FF40 by changing the saturation by 10% instead.

 78FF40

 78FF40

FFFFFF

 57E21A

 B7FF7C

 2FC500

 D5FF99

 00A900

 F5FFB6

 008E00

 FFFFD3

 007300


 FFFFF1

 005900

 004000

 002700

 000000

 78FF40

 78FF40

 66FF26

 8AFF5A

 54FF0D

 9CFF73

 4BFF00

 AEFF8D

 C0FFA6

 D2FFC0

 E4FFD9

 F6FFF3

FFFFFF

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



E9EA00



78FF40



00FFA4

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78FF40



00FCFF



FF79BE

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78FF40



C740FF

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF86FF



78FF40



23E0FF

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78FF40



00FFFF



FFB4FF



FF9C63

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78FF40



00FFE7



FFB4FF



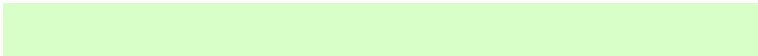
FF77DE

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78FF40



D7FFC7



FFC640



68805E



000000



808080

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78FF40



5DFF19



40FF66



768073



38BF00



134000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



C740FF



BC19FF



FF40D9



7C7380



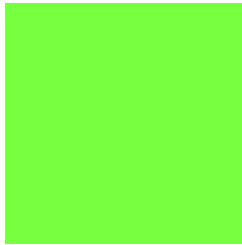
8700BF



2D0040

Previews

White Background



This preview shows how the Hex color 78FF40 looks on a white background.

Color Contrast Check

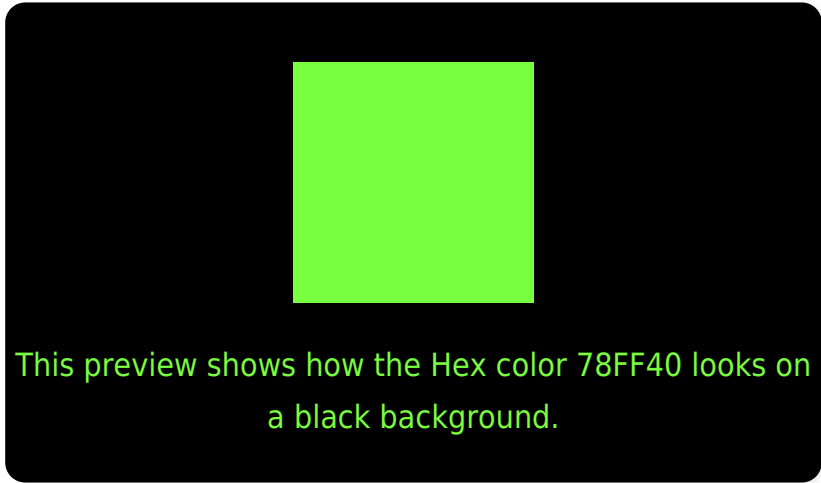
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

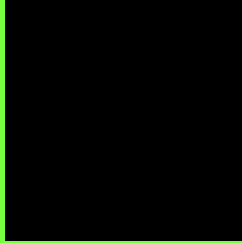
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

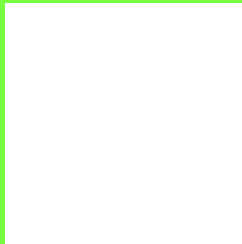
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 78FF40 Background



This preview shows how black text looks on a background with the Hex color 78FF40.

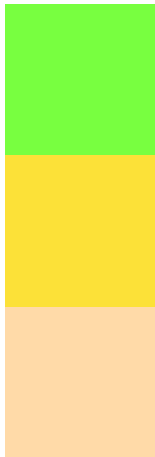


This preview shows how white text looks on a background with the Hex color 78FF40.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

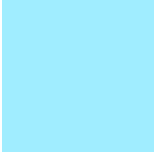
Dichromacy



Original Color
78FF40

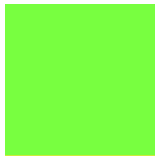
Protanopia
FCE138

Deuteranopia
FFDAA8

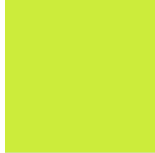


Tritanopia
A0EDFF

Trichromacy



Original Color
78FF40



Protanomaly
CCEC3B

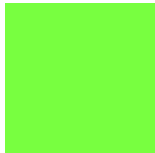


Deuteranomaly
CEE782

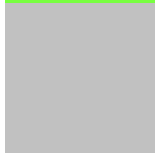


Tritanomaly
91F4BA

Monochromacy



Original Color
78FF40



Achromatopsia
C1C1C1



Achromatomaly
A6D892

CSS Examples

Text

The CSS property to change the color of the text to Hex 78FF40 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #78FF40 looks like.

```
.text, #text, p{  
    color:#78FF40  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #78FF40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78FF40
}
```

Border

The CSS property to change the border of an element to Hex 78FF40 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#78FF40 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#78FF40 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #78FF40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78FF40; -webkit-box-shadow:4px 4px  
4px 4px #78FF40; box-shadow:4px 4px 4px  
4px #78FF40 }
```

Background

The CSS property to change the background color of an element to Hex 78FF40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78FF40 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#78FF40 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor