

# Converting Colors

Hex(7850E8)

Have a look what the booklet for  
Hex(7850E8) contains.

<b>Hex(7850E8)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(7850E8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7850E8
RGB	120, 80, 232
RGB Percent	47%, 31%, 91%
CMY	0.5294, 0.6863, 0.0902
CMYK	0.48, 0.66, 0.00, 0.09
HSL	256°, 77%, 61%
HSV	256°, 66%, 91%
XYZ	25.1799, 15.5566, 78.0195
YIQ	109.2880, -24.9520, 55.7520

# Conversions

## Conversions Part 2

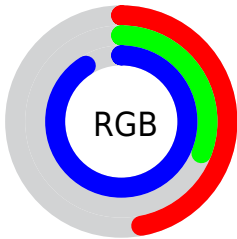
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 80, 232
Decimal	7885032
CIE <sub>Lab</sub>	46.39, 52.21, -71.40
CIE <sub>LCh</sub>	46, 88.459, 306.176
Yxy	15.5566, 0.2120, 0.1310
Android (android.graphics.Color)	4286075112 (0xFF7850E8)
YUV	109.2880, 60.4970, 9.3944
Hunter-Lab	39.4418, 44.9321, -89.6717

# Details

The Hex color **7850E8** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **C0E850**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **B484FF**, and **381EAF** is the 20% darker color. If you saturate the color by 10%, you get **6739E8**, and if you desaturate by 10%, it is **8967E8**.

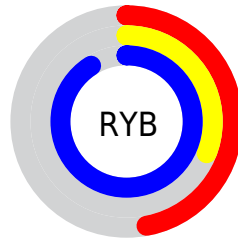
# Distribution



Red (47%)

Green (31%)

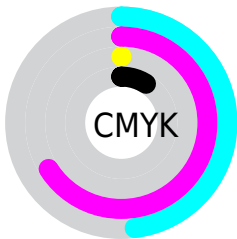
Blue (91%)



Red (47%)

Yellow (31%)

Blue (91%)

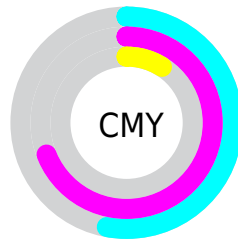


Cyan (48%)

Magenta (66%)

Yellow (0%)

Black (9%)



Cyan (53%)

Magenta (69%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7850E8 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 7850E8 by changing the saturation by 10% instead.



 7850E8

 7850E8

FFFFFF

 5937CB

 B484FF

 381EAF

 D29EFF

 020294

 F0BAFF

 000079

 FFD6FF

 00005F

 FFF3FF

 000846

 00042F

 000119

 000000

 7850E8

 7850E8

 6739E8

 8967E8

 5622E8

 9A7EE8

 450AE8

 AB96E8

 3D00E8

 BCAD E8

 CDC4E8

 DFDBE8

 F0F2E8

 FFFF E8

# Harmonies

## Analogous

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



0074FF



7850E8



CE00AB

# Triad

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



7850E8



B45200



008B7C

# Complementary

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



7850E8



C0E850

# 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.



00882B



7850E8



797000

# Square

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



7850E8



DD0818



178000



008BC5

# Rectangle

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



7850E8



E5007B



178000



008A62



# Sweetspot

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



7850E8



D9CCFF



50C2E8



696180



000000



808080



# Same Dimension

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



7850E8



6B36FF



C250E8



6A6773



2F00B3



0D0033



# Inverse Universe

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



E850C0



FF36CA



76E850



736770



B30084

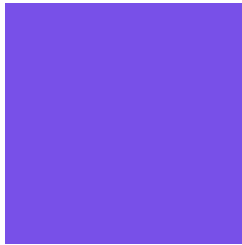


330026



# Previews

## White Background



This preview shows how the Hex color 7850E8 looks on a white background.

## Color Contrast Check

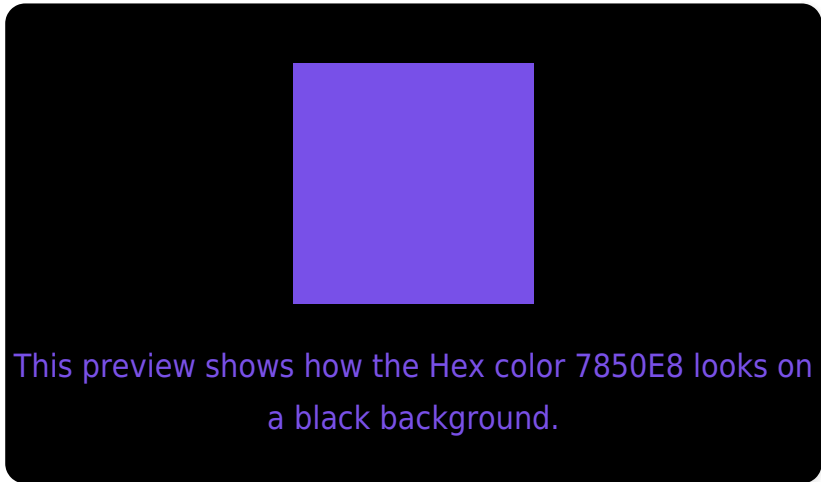
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

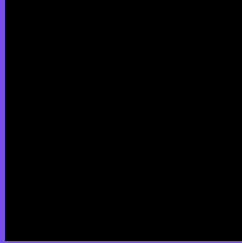
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7850E8 Background



This preview shows how black text looks on a background with the Hex color 7850E8.

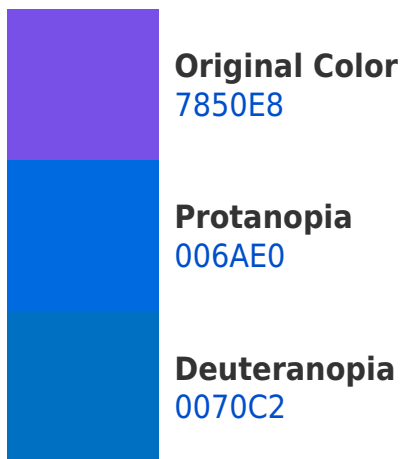


This preview shows how white text looks on a background with the Hex color 7850E8.

# 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](#).

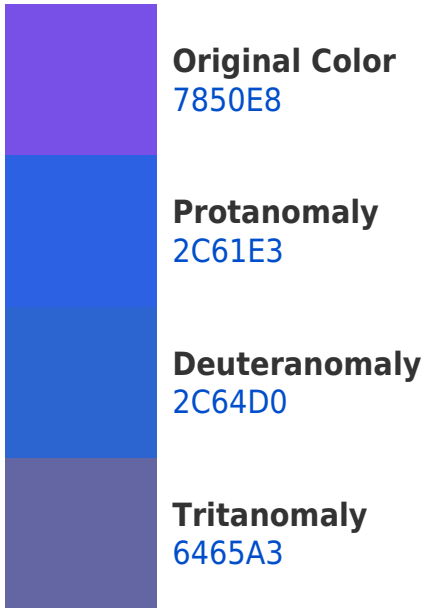
## Dichromacy



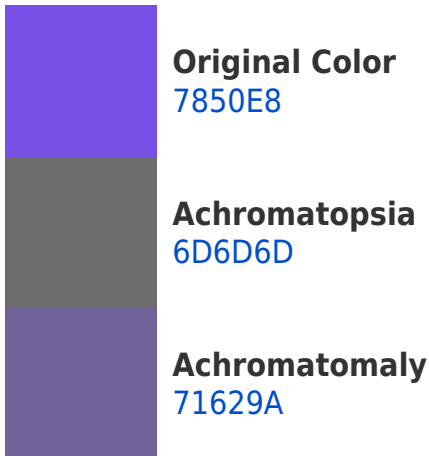


**Tritanopia**  
59717B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7850E8 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 #7850E8 looks like.

```
.text, #text, p{  
    color:#7850E8  
}
```

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 #7850E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7850E8  
}
```

## Border

The CSS property to change the border of an element to Hex 7850E8 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  
#7850E8 }
```

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

```
.border{ border-color:#7850E8 }
```

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

Here you see how a box with a 4 pixel #7850E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7850E8; -webkit-box-shadow:4px 4px  
4px 4px #7850E8; box-shadow:4px 4px 4px  
4px #7850E8 }
```

# Background

The CSS property to change the background color of an element to Hex 7850E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7850E8 }
```

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

```
.background{ background-color:#7850E8 }
```

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