

# Converting Colors

Hex(7E46B2)

Have a look what the booklet for  
Hex(7E46B2) contains.

|  |    |
|--|----|
| <b>Hex(7E46B2)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

**Hex(7E46B2)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 7E46B2                    |
| RGB           | 126, 70, 178              |
| RGB Percent   | 49%, 27%, 70%             |
| CMY           | 0.5059, 0.7255, 0.3020    |
| CMYK          | 0.29, 0.61, 0.00, 0.30    |
| HSL           | 271°, 44%, 49%            |
| HSV           | 271°, 61%, 70%            |
| XYZ           | 18.8302, 12.0303, 43.4491 |
| YIQ           | 99.0560, -1.2920, 45.4600 |

# Conversions

## Conversions Part 2

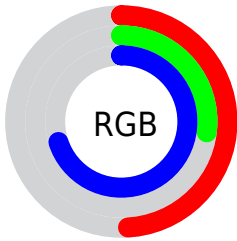
| <b>Format</b>                       | <b>Color</b>                                   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">126, 70, 178</a>                   |
| Decimal                             | <a href="#">8275634</a>                        |
| CIELab                              | <a href="#">41.26, 44.65, -48.51</a>           |
| CIELCh                              | <a href="#">41, 65.933, 312.627</a>            |
| Yxy                                 | <a href="#">12.0303, 0.2534,<br/>0.1619</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4286465714<br/>(0xFF7E46B2)</a>    |
| YUV                                 | <a href="#">99.0560, 38.9194,<br/>23.6299</a>  |
| Hunter-Lab                          | <a href="#">34.6847, 36.2089,<br/>-49.9925</a> |

# Details

The Hex color **7E46B2** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **7AB246**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **B679EA**, and **48137C** is the 20% darker color. If you saturate the color by 10%, you get **7534B2**, and if you desaturate by 10%, it is **8758B2**.

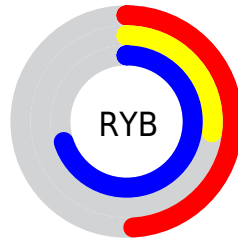
# Distribution



Red (49%)

Green (27%)

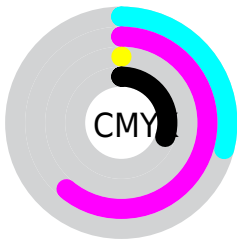
Blue (70%)



Red (49%)

Yellow (27%)

Blue (70%)

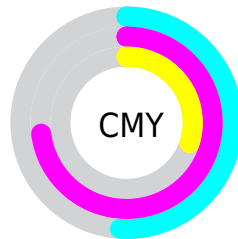


Cyan (29%)

Magenta (61%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (73%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7E46B2 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 7E46B2 by changing the saturation by 10% instead.



7E46B2

7E46B2

FFFFFF

632D97

B679EA

48137C

D294FF

2D0063

F0AFFE

14004B

FFCBBF

000033

FFE7FF

00021D

000000

7E46B2

7E46B2

7534B2

8758B2

 6D22B2

 8F6AB2

 6411B2

 987BB2

 5C00B2

 A08DB2

 A99FB2

 B1B1B2

 BAC3B2

 C3D4B2

 CBE6B2

# Harmonies

## Analogous

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



0061CC



7E46B2



B02283

# Triad

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



7E46B2



905300



007878

# Complementary

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



7E46B2



7AB246

# 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.



00763F



7E46B2



626600

# Square

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



7E46B2



B13618



1A7100



0077AA

# Rectangle

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



7E46B2



BD105F



1A7100



007865



# Sweetspot

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



7E46B2



D4BEE8



467AB2



695B75



F5F5F5



757575



# Same Dimension

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



7E46B2



963FE8



B246B0



555059



4F0099



0D001A



# Inverse Universe

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



B2467A



E83F90



46B248



595055



99004A

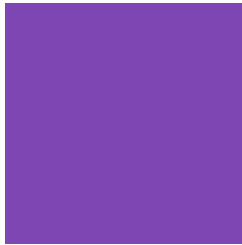


1A000C



# Previews

## White Background



This preview shows how the Hex color 7E46B2 looks on a white background.

## Color Contrast Check

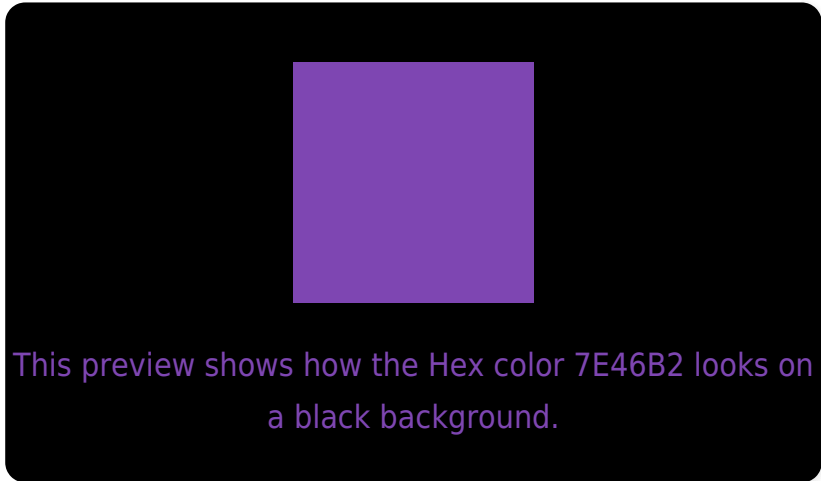
Large Text (above 18pt) WCAG AA ✓ Pass

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

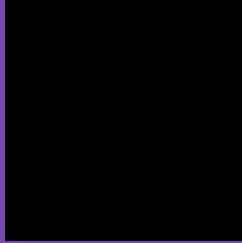
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7E46B2 Background



This preview shows how black text looks on a background with the Hex color 7E46B2.

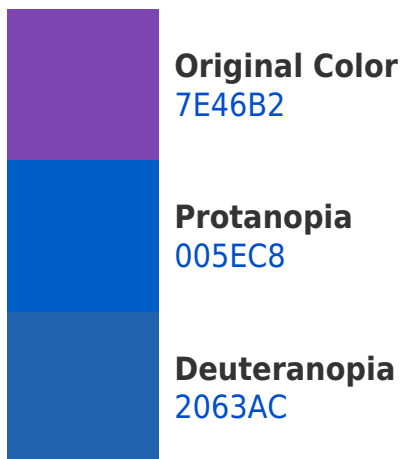



This preview shows how white text looks on a background with the Hex color 7E46B2.

# 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**  
705C63

# Trichromacy



**Original Color**  
7E46B2



**Protanomaly**  
2E55C0



**Deuteranomaly**  
4258AE



**Tritanomaly**  
755480

# Monochromacy



**Original Color**  
7E46B2



**Achromatopsia**  
636363



**Achromatomaly**  
6D5880

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7E46B2 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 #7E46B2 looks like.

```
.text, #text, p{  
    color:#7E46B2  
}
```

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 #7E46B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7E46B2
}
```

## Border

The CSS property to change the border of an element to Hex 7E46B2 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
#7E46B2 }
```

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

```
.border{ border-color:#7E46B2 }
```

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

Here you see how a box with a 4 pixel #7E46B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7E46B2; -webkit-box-shadow:4px 4px  
4px 4px #7E46B2; box-shadow:4px 4px 4px  
4px #7E46B2 }
```

# Background

The CSS property to change the background color of an element to Hex 7E46B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7E46B2 }
```

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

```
.background{ background-color:#7E46B2 }
```

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](#).



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