

Converting Colors

Hex(7838B4)

Have a look what the booklet for
Hex(7838B4) contains.

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Color

Hex(7838B4)

Conversions

Conversions Part 1

Format	Color
Hex	7838B4
RGB	120, 56, 180
RGB Percent	47%, 22%, 71%
CMY	0.5294, 0.7804, 0.2941
CMYK	0.33, 0.69, 0.00, 0.29
HSL	271°, 53%, 46%
HSV	271°, 69%, 71%
XYZ	17.3981, 10.1167, 44.2158
YIQ	89.2720, -1.6600, 52.1320

Conversions

Conversions Part 2

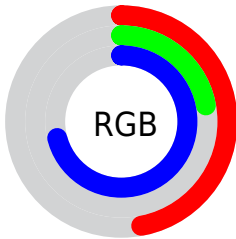
Format	Color
R_{YB}	120, 56, 180
Decimal	7878836
CIE _{Lab}	38.05, 50.92, -54.91
CIE _{LCh}	38, 74.886, 312.837
Yxy	10.1167, 0.2425, 0.1410
Android (android.graphics.Color)	4286068916 (0xFF7838B4)
YUV	89.2720, 44.7289, 26.9485
Hunter-Lab	31.8068, 41.9766, -60.1565

Details

The Hex color **7838B4** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **74B438**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **B06CED**, and **40007E** is the 20% darker color. If you saturate the color by 10%, you get **6F26B4**, and if you desaturate by 10%, it is **814AB4**.

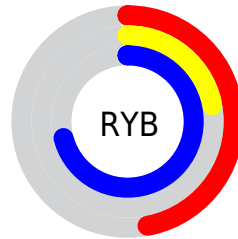
Distribution



Red (47%)

Green (22%)

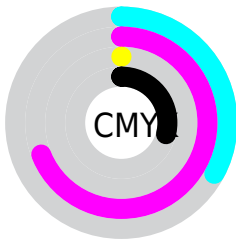
Blue (71%)



Red (47%)

Yellow (22%)

Blue (71%)

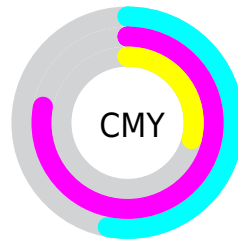


Cyan (33%)

Magenta (69%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (78%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7838B4 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 7838B4 by changing the saturation by 10% instead.

7838B4

7838B4

FFFFFF

5C1D99

B06CED

40007E

CD86FF

230064

EBA1FF

02004C

FFBDFE

000434

FFD9FF

00021E

FFF6FF

000000

7838B4

7838B4

6F26B4

814AB4

6714B4

895CB4

5E02B4

926EB4

5D00B4

9B80B4

A492B4

ACA4B4

B5B6B4

BEC8B4

C6DAB4

Harmonies

Analogous

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



005AD2



7838B4



B0007F

Triad

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



7838B4



8A4900



007273

Complementary

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



7838B4



74B438

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.



007033



7838B4



565F00

Square

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



7838B4



AF2001



006B00



0071AC

Rectangle

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



7838B4



BE0057



006B00



00715E

Sweetspot

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



7838B4



D3B9EB



3876B4



675875



F5F5F5



757575

Same Dimension

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



7838B4



8C28EB



B438B4



555059



4F0099



0D001A

Inverse Universe

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



B43874



EB2886



38B438



595055



99004A



1A000C

Previews

White Background



This preview shows how the Hex color 7838B4 looks on a white background.

Color Contrast Check

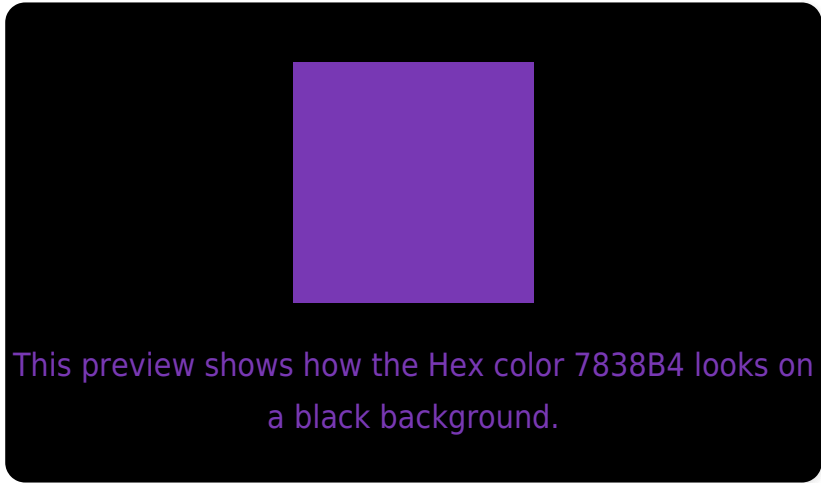
Large Text (above 18pt) WCAG AA ✓ Pass

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

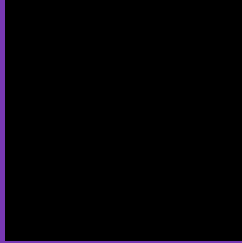
Any Text WCAG AA × Fail

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 7838B4 Background



This preview shows how black text looks on a background with the Hex color 7838B4.

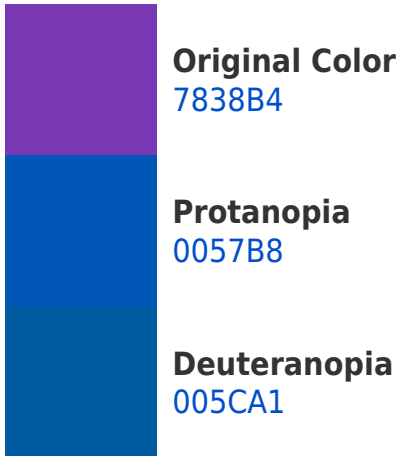



This preview shows how white text looks on a background with the Hex color 7838B4.

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](#).

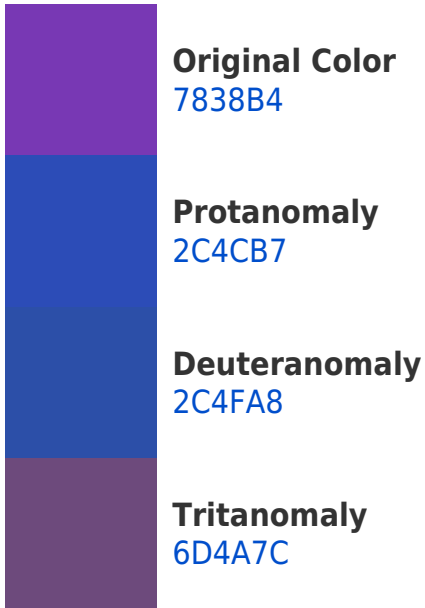
Dichromacy



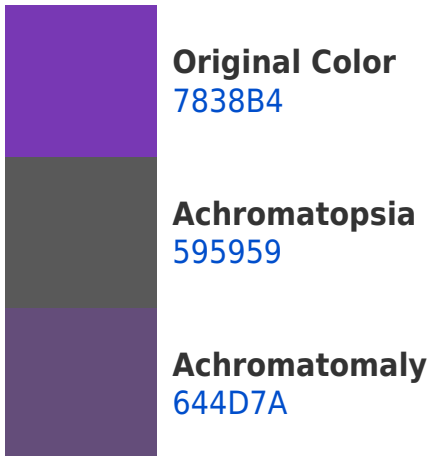


Tritanopia
67555C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 7838B4 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 #7838B4 looks like.

```
.text, #text, p{  
    color:#7838B4  
}
```

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 #7838B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7838B4
}
```

Border

The CSS property to change the border of an element to Hex 7838B4 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
#7838B4 }
```

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

```
.border{ border-color:#7838B4 }
```

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

Here you see how a box with a 4 pixel #7838B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7838B4; -webkit-box-shadow:4px 4px  
4px 4px #7838B4; box-shadow:4px 4px 4px  
4px #7838B4 }
```

Background

The CSS property to change the background color of an element to Hex 7838B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7838B4 }
```

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

```
.background{ background-color:#7838B4 }
```

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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