

# Converting Colors

Hex(7785DD)

Have a look what the booklet for  
Hex(7785DD) contains.

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# **Color**

**Hex(7785DD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7785DD
RGB	119, 133, 221
RGB Percent	47%, 52%, 87%
CMY	0.5333, 0.4784, 0.1333
CMYK	0.46, 0.40, 0.00, 0.13
HSL	232°, 60%, 67%
HSV	232°, 46%, 87%
XYZ	29.0464, 25.9175, 71.8783
YIQ	138.8460, -36.5920, 24.4000

# Conversions

## Conversions Part 2

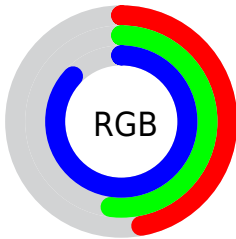
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 131, 221</a>
Decimal	<a href="#">7833053</a>
CIELab	<a href="#">57.96, 18.00, -46.63</a>
CIELCh	<a href="#">58, 49.983, 291.107</a>
Yxy	<a href="#">25.9175, 0.2290, 0.2043</a>
Android (android.graphics.Color)	<a href="#">4286023133 (0xFF7785DD)</a>
YUV	<a href="#">138.8460, 40.5019, -17.4049</a>
Hunter-Lab	<a href="#">50.9092, 12.7527, -48.0746</a>

# Details

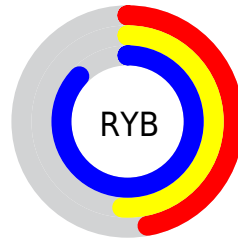
The Hex color **7785DD** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **DDCF77**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **B0BAFF**, and **3E54A5** is the 20% darker color. If you saturate the color by 10%, you get **6172DD**, and if you desaturate by 10%, it is **8D98DD**.

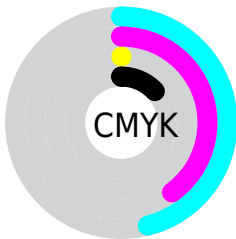
# Distribution



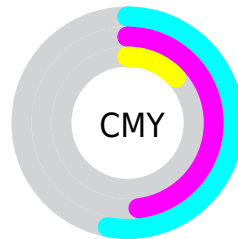
- Red (47%)
- Green (52%)
- Blue (87%)



- Red (47%)
- Yellow (51%)
- Blue (87%)



- Cyan (46%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (48%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7785DD 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 7785DD by changing the saturation by 10% instead.



 7785DD

 7785DD

FFFFFF

 5B6CC1

 B0BAFF

 3E54A5

 CCD6FF

 1C3D8B

 EAF2FF

 002871

 001458

 000040

 000329

 000113

 000000

■ 7785DD

■ 7785DD

■ 6172DD

■ 8D98DD

■ 4B5FDD

■ A3ABDD

■ 354CDD

■ B9BEDD

■ 1F39DD

■ CFD1DD

■ 0826DD

■ E6E4DD

■ 001EDD

■ FCF7DD

■ FFFFDD

# Harmonies

## Analogous

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



0094E1



7785DD



B473C3

# Triad

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



7785DD



CD7448



00A07C

# Complementary

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



7785DD



DDCF77

# 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.



519B52



7785DD



AF8431

# Square

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



7785DD



DC666E



859234



00A1A9

# Rectangle

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



7785DD



CD69A9



859234



049F6D



# Sweetspot

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



7785DD



DBE0FF



77DDCE



6A6D80



000000



808080



# Same Dimension

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



7785DD



7386FF



9B77DD



63646E



0018AD



00062E



# Inverse Universe

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



DD7785



FF7386



B9DD77



6E6364



AD0018

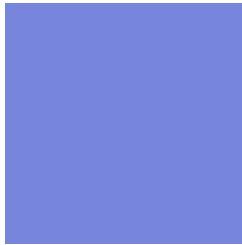


2E0006



# Previews

## White Background



This preview shows how the Hex color 7785DD looks on a white background.

## Color Contrast Check

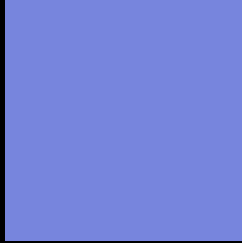
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 7785DD looks on a 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 × Fail

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



## Hex 7785DD Background



This preview shows how black text looks on a background with the Hex color 7785DD.

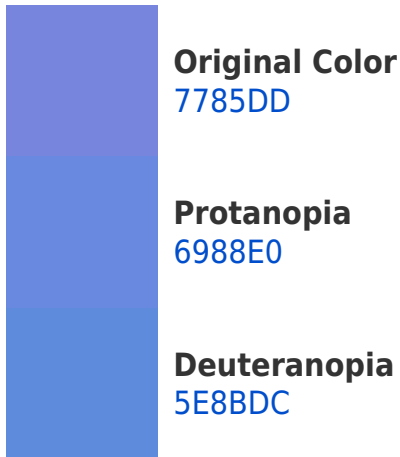


This preview shows how white text looks on a background with the Hex color 7785DD.

# 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](#).

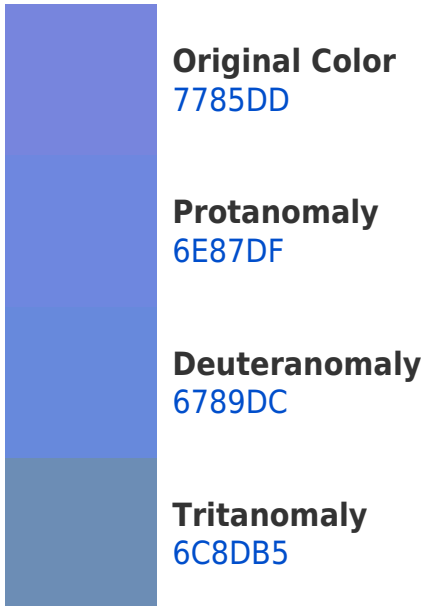
## Dichromacy





**Tritanopia**  
65929E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7785DD 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 #7785DD looks like.

```
.text, #text, p{  
    color:#7785DD  
}
```

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 #7785DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7785DD
}
```

## Border

The CSS property to change the border of an element to Hex 7785DD 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
#7785DD }
```

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

```
.border{ border-color:#7785DD }
```

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

Here you see how a box with a 4 pixel #7785DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7785DD; -webkit-box-shadow:4px 4px  
4px 4px #7785DD; box-shadow:4px 4px 4px  
4px #7785DD }
```

# Background

The CSS property to change the background color of an element to Hex 7785DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7785DD }
```

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

```
.background{ background-color:#7785DD }
```

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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