

# Converting Colors

Hex(568AD7)

Have a look what the booklet for  
Hex(568AD7) contains.

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# Color

**Hex(568AD7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	568AD7
RGB	86, 138, 215
RGB Percent	34%, 54%, 84%
CMY	0.6627, 0.4588, 0.1569
CMYK	0.60, 0.36, 0.00, 0.16
HSL	216°, 62%, 59%
HSV	216°, 60%, 84%
XYZ	25.1920, 25.0617, 67.7996
YIQ	131.2300, -55.7090, 12.9230

# Conversions

## Conversions Part 2

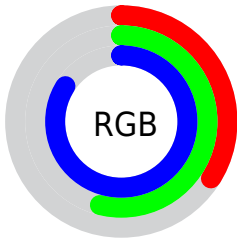
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 123, 215
Decimal	5671639
CIE <sub>Lab</sub>	57.14, 5.94, -44.69
CIE <sub>LCh</sub>	57, 45.083, 277.569
Yxy	25.0617, 0.2134, 0.2123
Android (android.graphics.Color)	4283861719 (0xFF568AD7)
YUV	131.2300, 41.2986, -39.6667
Hunter-Lab	50.0616, 2.2167, -45.2546

# Details

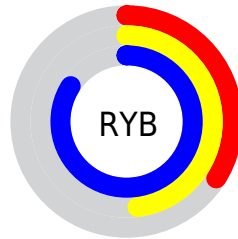
The Hex color **568AD7** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **D7A356**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **91BFFF**, and **0059A0** is the 20% darker color. If you saturate the color by 10%, you get **417DD7**, and if you desaturate by 10%, it is **6C97D7**.

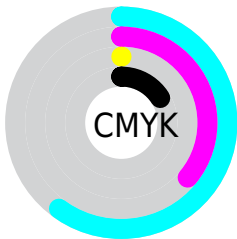
# Distribution



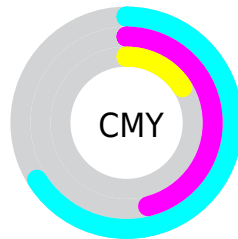
- Red (34%)
- Green (54%)
- Blue (84%)



- Red (34%)
- Yellow (48%)
- Blue (84%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (46%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 568AD7 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 568AD7 by changing the saturation by 10% instead.



■ 568AD7

■ 568AD7

FFFFFF

■ 3671BB

■ 91BFFF

■ 0059A0

■ AEDBFF

■ 004285

■ CCF7FF

■ 002C6C

■ E9FFFF

■ 001953

■ 00063B

■ 000225

■ 00010D

■ 000000

■ 568AD7

■ 568AD7

■ 417DD7

■ 6C97D7

■ 2B70D7

■ 81A4D7

■ 1563D7

■ 97B1D7

■ 0057D7

■ ACBDD7

■ C2CAD7

■ D7D7D7

■ EDE4D7

■ FFF1D7

■ FFFED7

# Harmonies

## Analogous

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



0095D1



568AD7



997BC8

# Triad

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



568AD7



CE6E5B



329B6A

# Complementary

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



568AD7



D7A356

# 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.



6D9548



568AD7



B87C40

# Square

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



568AD7



D26781



978A38



009D92

# Rectangle

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



568AD7



B771B4



978A38



4A995D

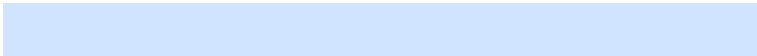


# Sweetspot

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



568AD7



D1E4FF



56D7A1



636F80



000000



808080



# Same Dimension

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



568AD7



4791FF



6156D7



60656B



0045AB



00112B



# Inverse Universe

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



D7568A



FF4791



CCD756



6B6065



AB0045

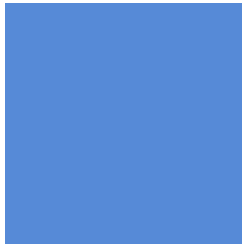


2B0011



# Previews

## White Background



This preview shows how the Hex color 568AD7 looks on a white background.

## Color Contrast Check

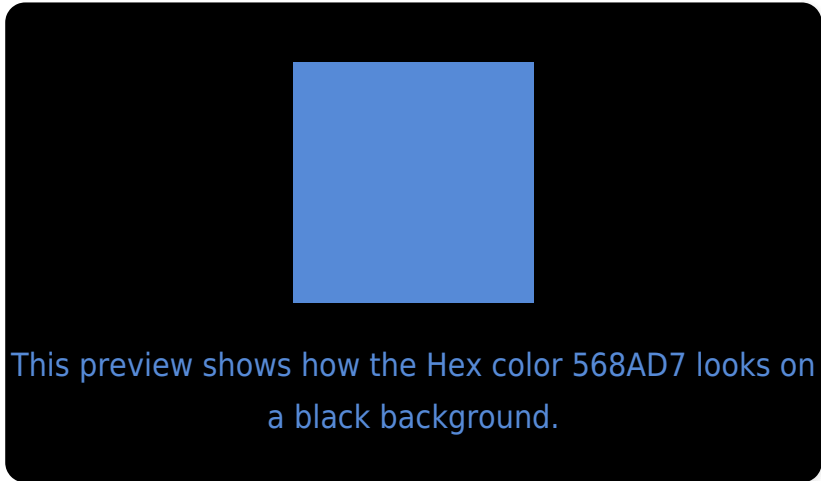
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

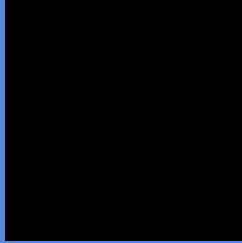
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

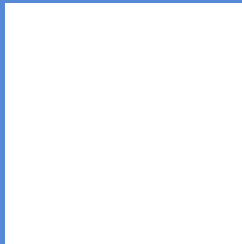
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 568AD7 Background



This preview shows how black text looks on a background with the Hex color 568AD7.

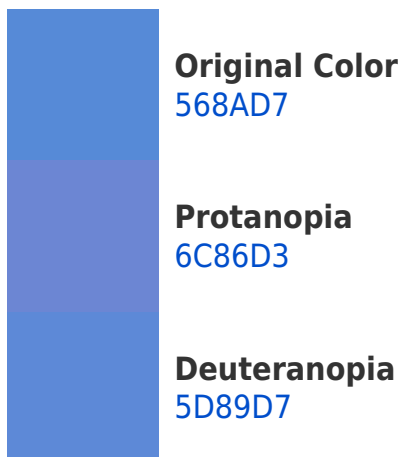


This preview shows how white text looks on a background with the Hex color 568AD7.

# 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](#).

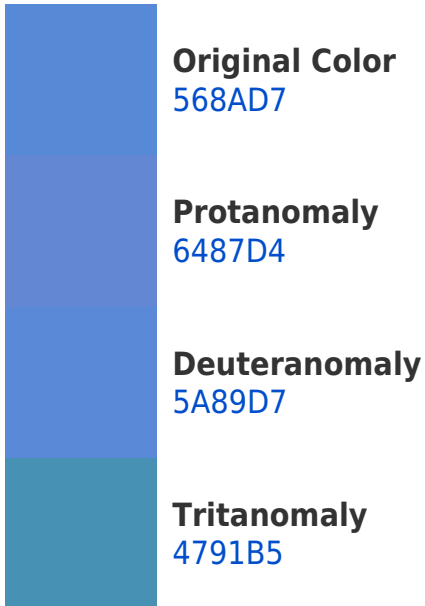
## Dichromacy



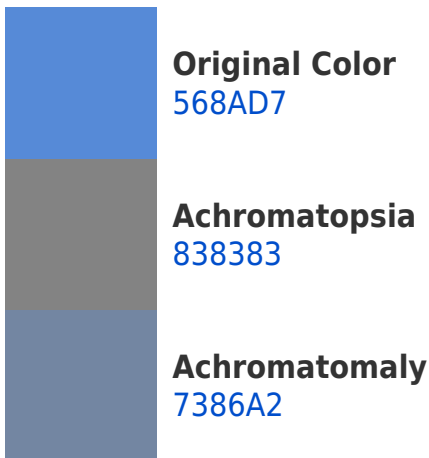


**Tritanopia**  
3E95A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 568AD7 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 #568AD7 looks like.

```
.text, #text, p{  
    color:#568AD7  
}
```

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 #568AD7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #568AD7
}
```

## Border

The CSS property to change the border of an element to Hex 568AD7 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
#568AD7 }
```

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

```
.border{ border-color:#568AD7 }
```

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

Here you see how a box with a 4 pixel #568AD7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #568AD7; -webkit-box-shadow:4px 4px  
4px 4px #568AD7; box-shadow:4px 4px 4px  
4px #568AD7 }
```

# Background

The CSS property to change the background color of an element to Hex 568AD7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#568AD7 }
```

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

```
.background{ background-color:#568AD7 }
```

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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