

Converting Colors

Hex(457BD1)

Have a look what the booklet for
Hex(457BD1) contains.

Hex(457BD1)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(457BD1)

Conversions

Conversions Part 1

Format	Color
Hex	457BD1
RGB	69, 123, 209
RGB Percent	27%, 48%, 82%
CMY	0.7294, 0.5176, 0.1804
CMYK	0.67, 0.41, 0.00, 0.18
HSL	217°, 60%, 55%
HSV	217°, 67%, 82%
XYZ	21.0458, 20.0346, 63.0794
YIQ	116.6580, -59.7900, 15.2980

Conversions

Conversions Part 2

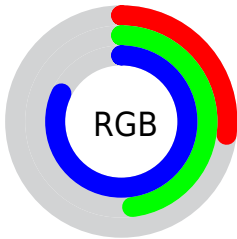
Format	Color
R _Y B	69, 108, 209
Decimal	4553681
CIE Lab	51.88, 9.92, -49.70
CIE LCh	52, 50.679, 281.289
Yxy	20.0346, 0.2021, 0.1923
Android (android.graphics.Color)	4282743761 (0xFF457BD1)
YUV	116.6580, 45.5246, -41.7961
Hunter-Lab	44.7600, 5.5994, -52.2243

Details

The Hex color **457BD1** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle muted azure. A complement of this color would be **D19B45**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **83AFFE**, and **004B9A** is the 20% darker color. If you saturate the color by 10%, you get **306ED1**, and if you desaturate by 10%, it is **5A88D1**.

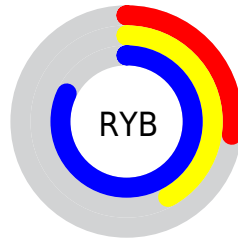
Distribution



Red (27%)

Green (48%)

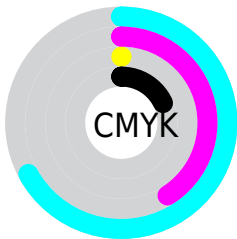
Blue (82%)



Red (27%)

Yellow (42%)

Blue (82%)

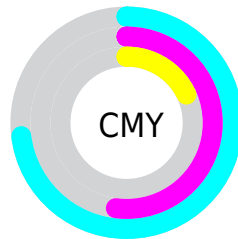


Cyan (67%)

Magenta (41%)

Yellow (0%)

Black (18%)



Cyan (73%)

Magenta (52%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 457BD1 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 457BD1 by changing the saturation by 10% instead.

■ 457BD1

■ 457BD1

FFFFFF

■ 1D62B5

■ 83AFFE

■ 004B9A

■ A0CAFF

■ 00357F

■ BEE6FF

■ 002166

■ DCFFFF

■ 00094D

■ FAFFFF

■ 000536

■ 00021F

■ 000003

■ 000000

■ 457BD1

■ 457BD1

■ 306ED1

■ 5A88D1

■ 1B61D1

■ 6F95D1

■ 0654D1

■ 84A2D1

■ 0051D1

■ 99AED1

■ AEBBD1

■ C2C8D1

■ D7D5D1

■ ECE2D1

■ FFEFD1

Harmonies

Analogous

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



0088CE



457BD1



9369BD

Triad

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



457BD1



C35E44



008F5E

Complementary

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



457BD1



D19B45

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.



538936



457BD1



A97025

Square

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



457BD1



CB536D



837F1D



00918B

Rectangle

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



457BD1



B25DA6



837F1D



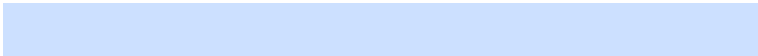
208D50

Sweetspot

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



457BD1



CCE0FF



45D199



616D80



000000



808080

Same Dimension

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



457BD1



3382FF



5345D1



5E6269



0041A8



001029

Inverse Universe

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



D1457B



FF3382



C3D145



695E62



A80041



290010

Previews

White Background



This preview shows how the Hex color 457BD1 looks on a white background.

Color Contrast Check

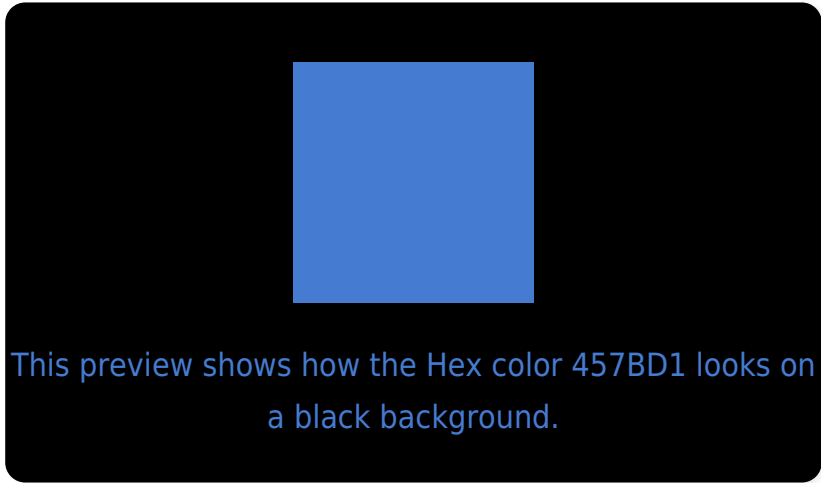
Large Text (above 18pt) WCAG AA ✓ Pass

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

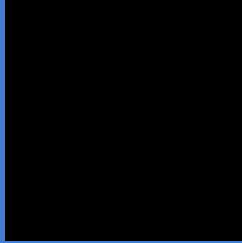
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

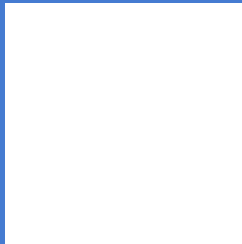
Any Text WCAG AAA × Fail

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

Hex 457BD1 Background



This preview shows how black text looks on a background with the Hex color 457BD1.



This preview shows how white text looks on a background with the Hex color 457BD1.

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](#).

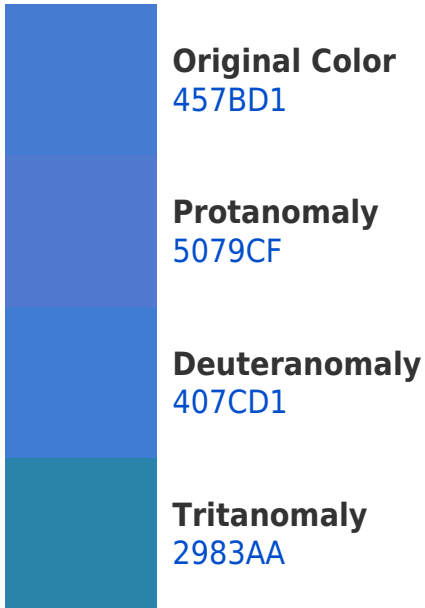
Dichromacy



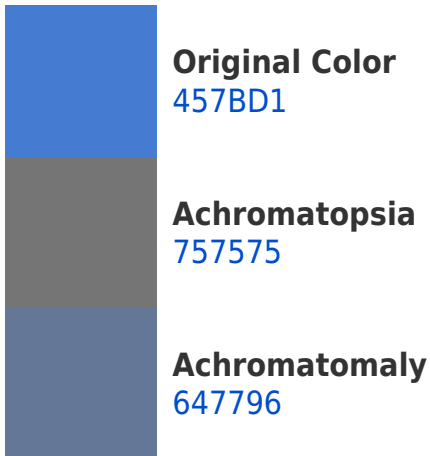


Tritanopia
198893

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 457BD1 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 #457BD1 looks like.

```
.text, #text, p{  
    color:#457BD1  
}
```

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 #457BD1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #457BD1
}
```

Border

The CSS property to change the border of an element to Hex 457BD1 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
#457BD1 }
```

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

```
.border{ border-color:#457BD1 }
```

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

Here you see how a box with a 4 pixel #457BD1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #457BD1; -webkit-box-shadow:4px 4px  
4px 4px #457BD1; box-shadow:4px 4px 4px  
4px #457BD1 }
```

Background

The CSS property to change the background color of an element to Hex 457BD1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#457BD1 }
```

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

```
.background{ background-color:#457BD1 }
```

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