

# Converting Colors

Hex(457DE3)

Have a look what the booklet for  
Hex(457DE3) contains.

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**Color**

**Hex(457DE3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	457DE3
RGB	69, 125, 227
RGB Percent	27%, 49%, 89%
CMY	0.7294, 0.5098, 0.1098
CMYK	0.70, 0.45, 0.00, 0.11
HSL	219°, 74%, 58%
HSV	219°, 70%, 89%
XYZ	23.6530, 21.4785, 75.5722
YIQ	119.8840, -66.1180, 19.8500

# Conversions

## Conversions Part 2

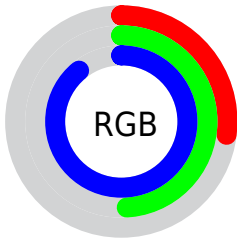
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 110, 227
Decimal	4554211
CIE Lab	53.47, 15.06, -57.30
CIE LCh	53, 59.250, 284.727
Yxy	21.4785, 0.1960, 0.1779
Android (android.graphics.Color)	4282744291 (0xFF457DE3)
YUV	119.8840, 52.8082, -44.6253
Hunter-Lab	46.3449, 9.9973, -64.2396

# Details

The Hex color **457DE3** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **E3AB45**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **86B1FF**, and **004DAB** is the 20% darker color. If you saturate the color by 10%, you get **2E6EE3**, and if you desaturate by 10%, it is **5C8CE3**.

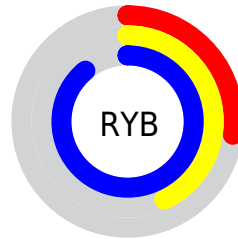
# Distribution



Red (27%)

Green (49%)

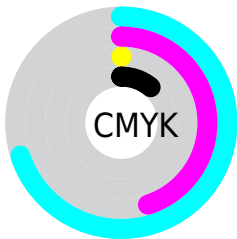
Blue (89%)



Red (27%)

Yellow (43%)

Blue (89%)

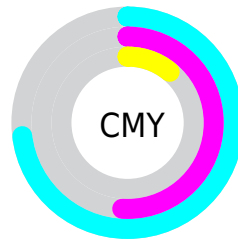


Cyan (70%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (51%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 457DE3 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 457DE3 by changing the saturation by 10% instead.



 457DE3

 457DE3

FFFFFF

 1764C7

 86B1FF

 004DAB

 A4CCFF

 003790

 C2E8FF

 002376

 E1FFFF

 000E5C

 000744

 00032D

 000117

 000000

■ 457DE3

■ 457DE3

■ 2E6EE3

■ 5C8CE3

■ 1860E3

■ 729AE3

■ 0151E3

■ 89A9E3

■ 0050E3

■ A0B8E3

■ B6C6E3

■ CDD5E3

■ E4E4E3

■ FBF2E3

■ FFFFE3

# Harmonies

## Analogous

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



008DE2



457DE3



A267C9

# Triad

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



457DE3



CE5E39



009663

# Complementary

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



457DE3



E3AB45

# 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.



459031



457DE3



AE740F

# Square

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



457DE3



DB4D69



818503



009898

# Rectangle

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



457DE3



C357AC



818503



009452



# Sweetspot

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



457DE3



C9DCFF



45E3A9



606B80



000000



808080



# Same Dimension

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



457DE3



2975FF



5A45E3



676B73



003FB3



001233



# Inverse Universe

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



E3457D



FF2975



CEE345



73676B



B3003F



330012



# Previews

## White Background



This preview shows how the Hex color 457DE3 looks on a white background.

## Color Contrast Check

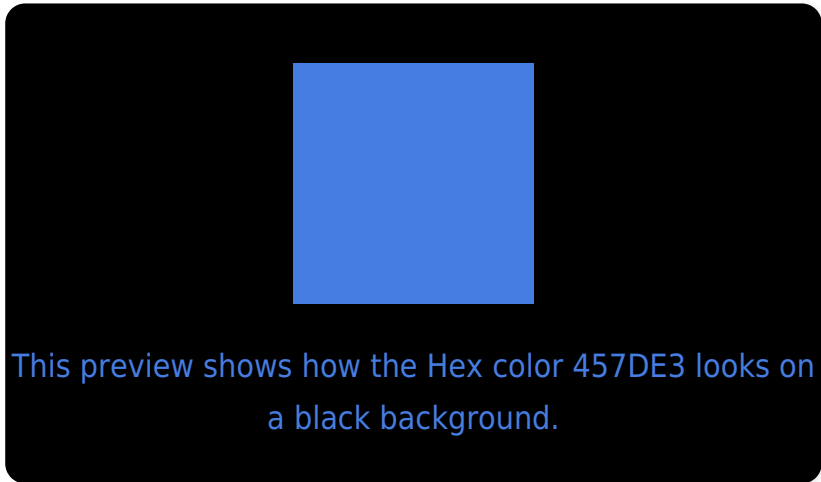
Large Text (above 18pt) WCAG AA ✓ Pass

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

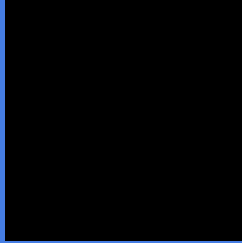
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

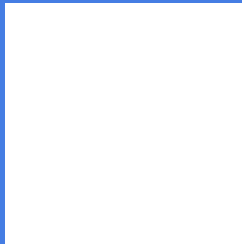
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 457DE3 Background



This preview shows how black text looks on a background with the Hex color 457DE3.



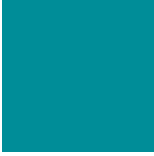
This preview shows how white text looks on a background with the Hex color 457DE3.

# 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](#).

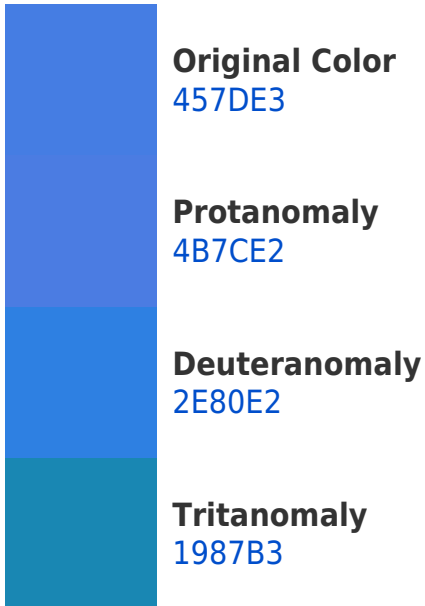
## Dichromacy



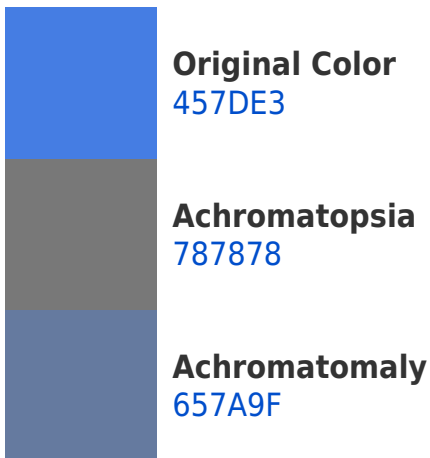


**Tritanopia**  
008D98

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 457DE3 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 #457DE3 looks like.

```
.text, #text, p{  
    color:#457DE3  
}
```

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 #457DE3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #457DE3
}
```

## Border

The CSS property to change the border of an element to Hex 457DE3 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
#457DE3 }
```

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

```
.border{ border-color:#457DE3 }
```

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

Here you see how a box with a 4 pixel #457DE3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #457DE3; -webkit-box-shadow:4px 4px  
4px 4px #457DE3; box-shadow:4px 4px 4px  
4px #457DE3 }
```

# Background

The CSS property to change the background color of an element to Hex 457DE3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#457DE3 }
```

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

```
.background{ background-color:#457DE3 }
```

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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