

# Converting Colors

Hex(456EA4)

Have a look what the booklet for  
Hex(456EA4) contains.

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# Color

Hex(456EA4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	456EA4
RGB	69, 110, 164
RGB Percent	27%, 43%, 64%
CMY	0.7294, 0.5686, 0.3569
CMYK	0.58, 0.33, 0.00, 0.36
HSL	214°, 41%, 46%
HSV	214°, 58%, 64%
XYZ	14.7310, 15.0974, 37.2596
YIQ	103.8970, -41.7700, 8.1020

# Conversions

## Conversions Part 2

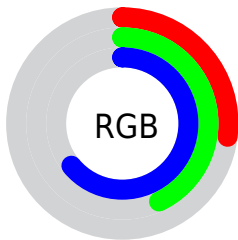
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 98, 164
Decimal	4550308
CIE <sub>Lab</sub>	45.77, 2.34, -33.40
CIE <sub>LCh</sub>	46, 33.477, 274.005
Yxy	15.0974, 0.2196, 0.2250
Android (android.graphics.Color)	4282740388 (0xFF456EA4)
YUV	103.8970, 29.6308, -30.6047
Hunter-Lab	38.8554, -0.3233, -29.6563

# Details

The Hex color **456EA4** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A47B45**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **7CA1DB**, and **003F70** is the 20% darker color. If you saturate the color by 10%, you get **3565A4**, and if you desaturate by 10%, it is **5577A4**.

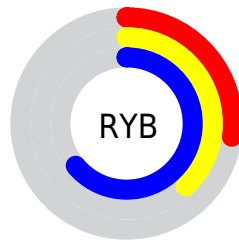
# Distribution



Red (27%)

Green (43%)

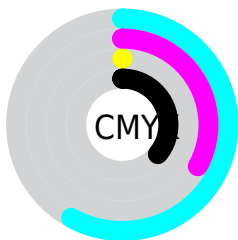
Blue (64%)



Red (27%)

Yellow (38%)

Blue (64%)

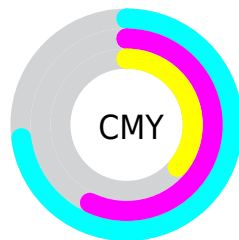


Cyan (58%)

Magenta (33%)

Yellow (0%)

Black (36%)



Cyan (73%)

Magenta (57%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456EA4 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 456EA4 by changing the saturation by 10% instead.



■ 456EA4

■ 456EA4

FFFFFF

■ 275689

■ 7CA1DB

■ 003F70

■ 98BCF8

■ 002957

■ B4D8FF

■ 00153F

■ D1F4FF

■ 000329

■ EEEFFF

■ 000113

■ 000000

■ 456EA4

■ 456EA4

■ 3565A4

■ 5577A4

■ 245BA4

■ 6681A4

■ 1452A4

■ 768AA4

■ 0349A4

■ 8793A4

■ 0047A4

■ 979DA4

■ A7A6A4

■ B8AFA4

■ C8B9A4

■ D9C2A4

# Harmonies

## Analogous

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



00769E



456EA4



74649B

# Triad

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



456EA4



9F594F



387953

# Complementary

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



456EA4



A47B45

# 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.



5D743C



456EA4



91623A

# Square

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



456EA4



A1556A



7A6C33



007B6F

# Rectangle

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



456EA4



8A5D8E



7A6C33



46774A



# Sweetspot

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



456EA4



B2C2D6



45A47B



565F6B



EBEBEB



6B6B6B



# Same Dimension

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



456EA4



4081D6



4B45A4



494D52



003F91



000812



# Inverse Universe

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



A4456E



D64081



9EA445



52494D



91003F



120008



# Previews

## White Background



This preview shows how the Hex color 456EA4 looks on a white background.

## Color Contrast Check

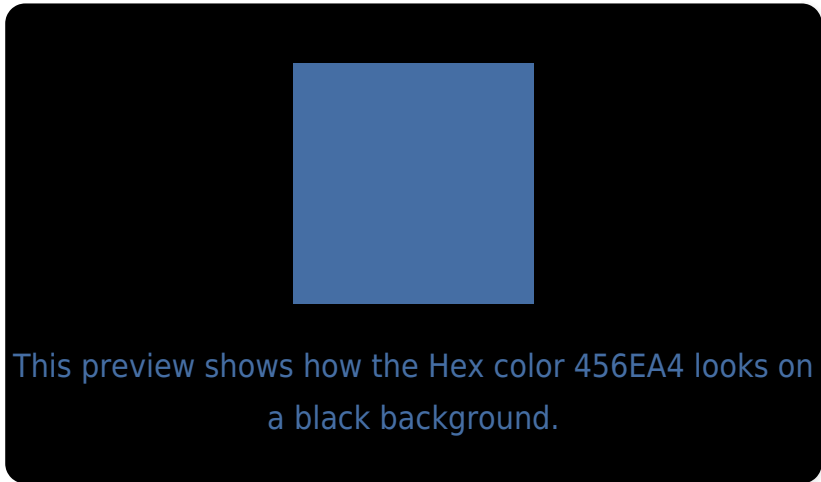
Large Text (above 18pt) WCAG AA ✓ Pass

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 456EA4 Background



This preview shows how black text looks on a background with the Hex color 456EA4.

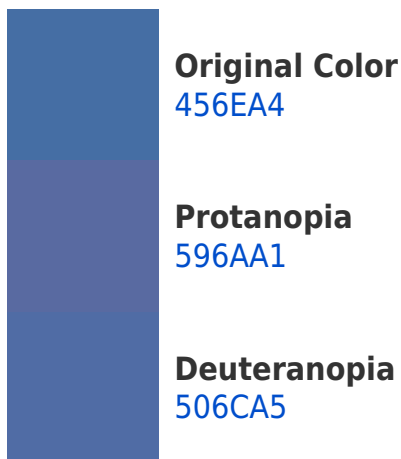



This preview shows how white text looks on a background with the Hex color 456EA4.

# 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](#).

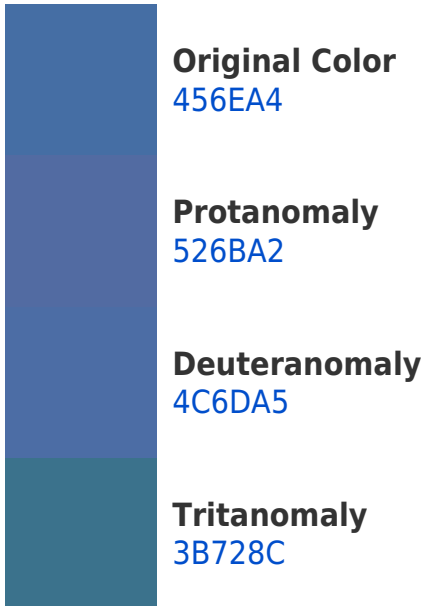
## Dichromacy





**Tritanopia**  
36757F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456EA4 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 #456EA4 looks like.

```
.text, #text, p{  
    color:#456EA4  
}
```

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 #456EA4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456EA4  
}
```

## Border

The CSS property to change the border of an element to Hex 456EA4 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  
#456EA4 }
```

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

```
.border{ border-color:#456EA4 }
```

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

Here you see how a box with a 4 pixel #456EA4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456EA4; -webkit-box-shadow:4px 4px  
4px 4px #456EA4; box-shadow:4px 4px 4px  
4px #456EA4 }
```

# Background

The CSS property to change the background color of an element to Hex 456EA4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456EA4 }
```

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

```
.background{ background-color:#456EA4 }
```

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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