

# Converting Colors

Hex(565BAE)

Have a look what the booklet for  
Hex(565BAE) contains.

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# Color

**Hex(565BAE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	565BAE
RGB	86, 91, 174
RGB Percent	34%, 36%, 68%
CMY	0.6627, 0.6431, 0.3176
CMYK	0.51, 0.48, 0.00, 0.32
HSL	237°, 35%, 51%
HSV	237°, 51%, 68%
XYZ	15.2188, 12.5166, 41.6582
YIQ	98.9670, -29.6230, 24.7530

# Conversions

## Conversions Part 2

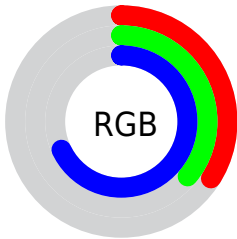
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 91, 174
Decimal	5659566
CIE <sub>Lab</sub>	42.03, 21.40, -45.15
CIE <sub>LCh</sub>	42, 49.962, 295.359
Yxy	12.5166, 0.2193, 0.1804
Android (android.graphics.Color)	4283849646 (0xFF565BAE)
YUV	98.9670, 36.9913, -11.3721
Hunter-Lab	35.3788, 14.8720, -45.0483

# Details

The Hex color **565BAE** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **AEA956**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **8D8DE6**, and **1A2E79** is the 20% darker color. If you saturate the color by 10%, you get **454BAE**, and if you desaturate by 10%, it is **676BAE**.

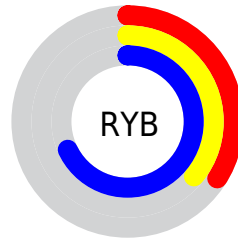
# Distribution



Red (34%)

Green (36%)

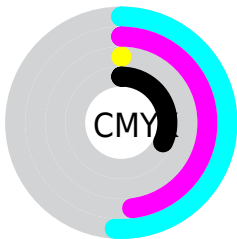
Blue (68%)



Red (34%)

Yellow (36%)

Blue (68%)

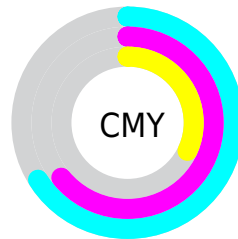


Cyan (51%)

Magenta (48%)

Yellow (0%)

Black (32%)



Cyan (66%)

Magenta (64%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 565BAE 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 565BAE by changing the saturation by 10% instead.



■ 565BAE

■ 565BAE

FFFFFF

■ 3A4493

■ 8D8DE6

■ 1A2E79

■ A9A7FF

■ 001960

■ C5C3FF

■ 000047

■ E2DEFF

■ 000430

■ FFFBFF

■ 00011A

■ 000000

■ 565BAE

■ 565BAE

■ 454BAE

■ 676BAE

■ 333AAE

■ 797CAE

■ 222AAE

■ 8A8CAE

■ 1019AE

■ 9C9DAE

■ 000AAE

■ ADADAЕ

■ BEBDAE

■ D0CEAE

■ E1DEAE

■ F3EFAE

# Harmonies

## Analogous

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



006AB5



565BAE



8E4893

# Triad

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



565BAE



9B4E1E



00765B

# Complementary

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



565BAE



AEA956

# 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.



157231



565BAE



7D5F00

# Square

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



565BAE



AB3E43



556B0B



007685

# Rectangle

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



565BAE



A33D79



556B0B



00754D



# Sweetspot

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



565BAE



C1C3E3



56AE8



5E5F73



F2F2F2



737373



# Same Dimension

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



565BAE



5960E3



7C56AE



4E4F57



000996



000117



# Inverse Universe

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



AE565B



E35960



88AE56



574E4F



960009

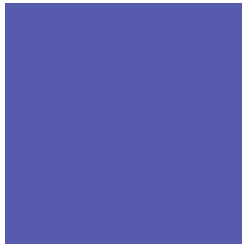


170001



# Previews

## White Background



This preview shows how the Hex color 565BAE looks on a white background.

## Color Contrast Check

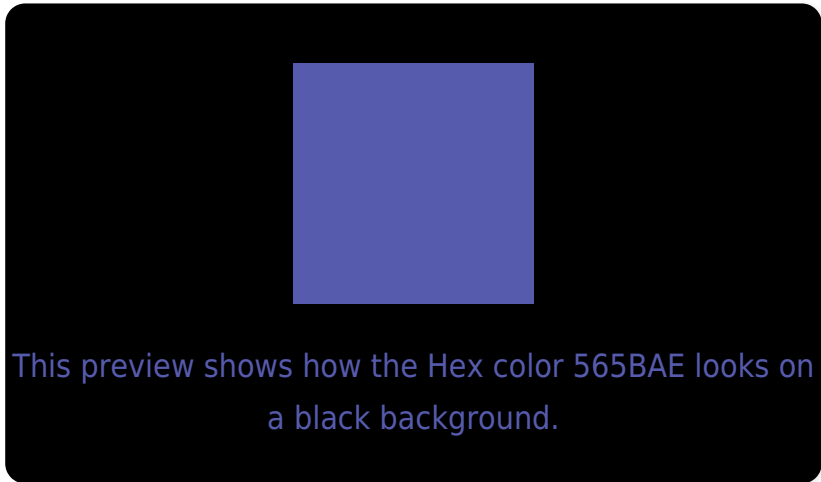
Large Text (above 18pt) WCAG AA ✓ Pass

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

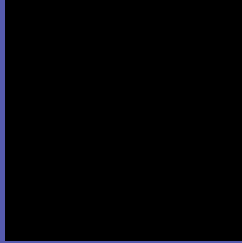
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 565BAE Background



This preview shows how black text looks on a background with the Hex color 565BAE.

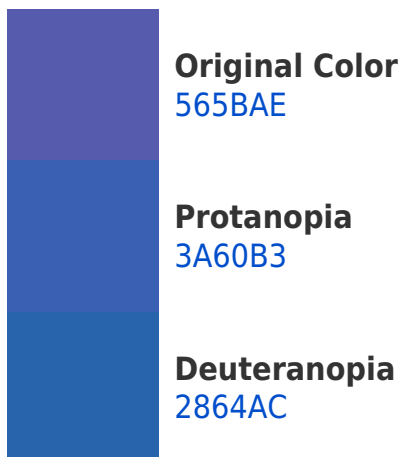



This preview shows how white text looks on a background with the Hex color 565BAE.

# 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](#).

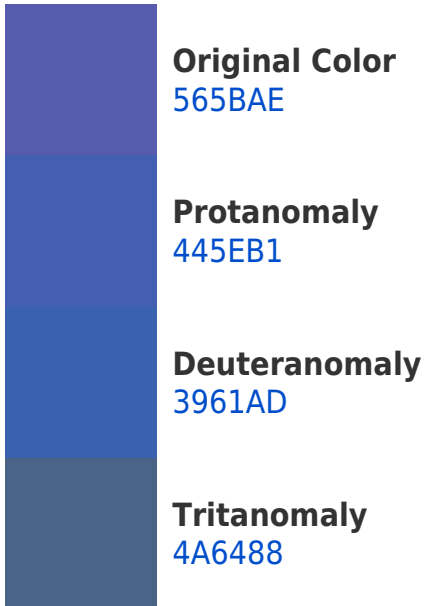
## Dichromacy





**Tritanopia**  
436972

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 565BAE 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 #565BAE looks like.

```
.text, #text, p{  
    color:#565BAE  
}
```

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 #565BAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #565BAE
}
```

## Border

The CSS property to change the border of an element to Hex 565BAE is called "border". The border property can be set on classes, ids or directly on the HTML element.

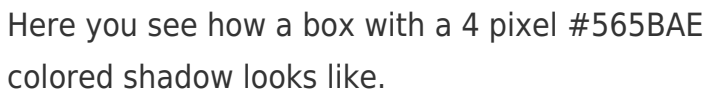
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#565BAE }
```

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

```
.border{ border-color:#565BAE }
```

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



Here you see how a box with a 4 pixel #565BAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #565BAE; -webkit-box-shadow:4px 4px  
4px 4px #565BAE; box-shadow:4px 4px 4px  
4px #565BAE }
```

# Background

The CSS property to change the background color of an element to Hex 565BAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#565BAE }
```

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

```
.background{ background-color:#565BAE }
```

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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