

Converting Colors

Hex(563EBA)

Have a look what the booklet for
Hex(563EBA) contains.

Hex(563EBA)	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(563EBA)

Conversions

Conversions Part 1

Format	Color
Hex	563EBA
RGB	86, 62, 186
RGB Percent	34%, 24%, 73%
CMY	0.6627, 0.7569, 0.2706
CMYK	0.54, 0.67, 0.00, 0.27
HSL	252°, 50%, 49%
HSV	252°, 67%, 73%
XYZ	14.4233, 8.9689, 47.4253
YIQ	83.3120, -25.5000, 43.6520

Conversions

Conversions Part 2

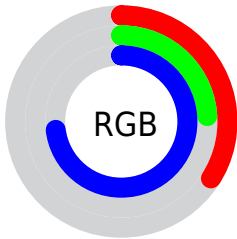
Format	Color
R_{YB}	86, 62, 186
Decimal	5652154
CIE _{Lab}	35.92, 42.88, -62.08
CIE _{LCh}	36, 75.451, 304.635
Yxy	8.9689, 0.2037, 0.1266
Android (android.graphics.Color)	4283842234 (0xFF563EBA)
YUV	83.3120, 50.6252, 2.3574
Hunter-Lab	29.9480, 33.5585, -72.9273

Details

The Hex color **563EBA** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **A2BA3E**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **906FF3**, and **0C0F84** is the 20% darker color. If you saturate the color by 10%, you get **472BBA**, and if you desaturate by 10%, it is **6551BA**.

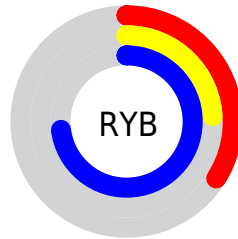
Distribution



Red (34%)

Green (24%)

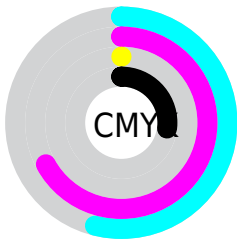
Blue (73%)



Red (34%)

Yellow (24%)

Blue (73%)

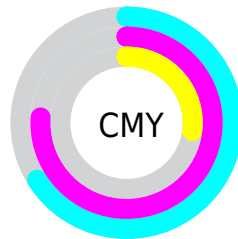


Cyan (54%)

Magenta (67%)

Yellow (0%)

Black (27%)



Cyan (66%)

Magenta (76%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 563EBA 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 563EBA by changing the saturation by 10% instead.

■ 563EBA

■ 563EBA

FFFFFF

■ 37279E

■ 906FF3

■ 0C0F84

■ AD89FF

■ 00006A

■ CAA4FF

■ 000051

■ E8BFFF

■ 000539

■ FFDBFF

■ 000222

■ FFF8FF

■ 000008

■ 000000

■ 563EBA

■ 563EBA

■ 472BBA

■ 6551BA

■ 3819BA

■ 7463BA

■ 2906BA

■ 8376BA

■ 2400BA

■ 9288BA

■ A19BBA

■ B0AEBA

■ BFC0BA

■ CED3BA

■ DDE5BA

Harmonies

Analogous

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



005BD0



563EBA



A0008A

Triad

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



563EBA



8F3B00



006C5D

Complementary

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



563EBA



A2BA3E

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.



00691A



563EBA



605600

Square

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



563EBA



AF0012



166300



006C99

Rectangle

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



563EBA



B40062



166300



006B47

Sweetspot

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



563EBA



CBC2F2



3EA3BA



635D7A



FAFAFA



7A7A7A

Same Dimension

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



563EBA



5630F2



933EBA



54535C



1E009C



05001C

Inverse Universe

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



BA3EA2



F230CD



65BA3E



5C535A



9C007D



1C0017

Previews

White Background



This preview shows how the Hex color 563EBA 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 563EBA Background



This preview shows how black text looks on a background with the Hex color 563EBA.

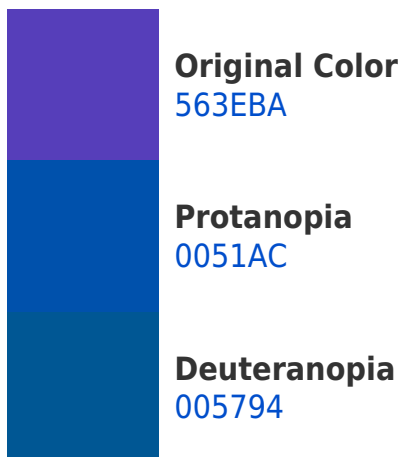



This preview shows how white text looks on a background with the Hex color 563EBA.

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](#).

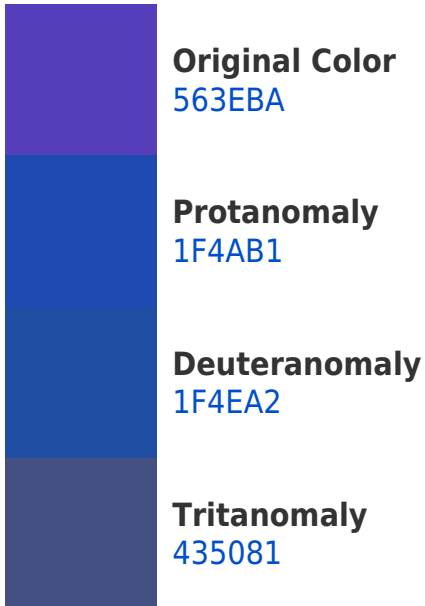
Dichromacy





Tritanopia
385A61

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 563EBA 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 #563EBA looks like.

```
.text, #text, p{  
    color:#563EBA  
}
```

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 #563EBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #563EBA
}
```

Border

The CSS property to change the border of an element to Hex 563EBA 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".

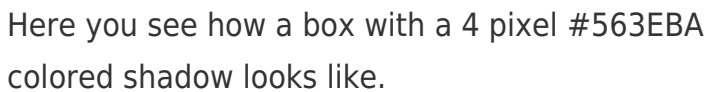
```
.border, #border, table{ border:4px solid
#563EBA }
```

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

```
.border{ border-color:#563EBA }
```

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

Here you see how a box with a 4 pixel #563EBA colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #563EBA; -webkit-box-shadow:4px 4px  
4px 4px #563EBA; box-shadow:4px 4px 4px  
4px #563EBA }
```

Background

The CSS property to change the background color of an element to Hex 563EBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#563EBA }
```

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

```
.background{ background-color:#563EBA }
```

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