

# Converting Colors

Hex(563DAF)

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

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# Color

Hex(563DAF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	563DAF
RGB	86, 61, 175
RGB Percent	34%, 24%, 69%
CMY	0.6627, 0.7608, 0.3137
CMYK	0.51, 0.65, 0.00, 0.31
HSL	253°, 48%, 46%
HSV	253°, 65%, 69%
XYZ	13.2444, 8.4111, 41.4829
YIQ	81.4710, -21.6940, 40.7540

# Conversions

## Conversions Part 2

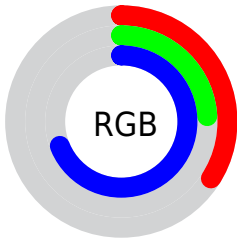
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 61, 175
Decimal	5651887
CIE <sub>Lab</sub>	34.82, 40.15, -57.36
CIE <sub>LCh</sub>	35, 70.014, 304.989
Yxy	8.4111, 0.2098, 0.1332
Android (android.graphics.Color)	4283841967 (0xFF563DAF)
YUV	81.4710, 46.1098, 3.9719
Hunter-Lab	29.0018, 30.7629, -64.5044

# Details

The Hex color **563DAF** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **96AF3D**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **8F6EE7**, and **140F79** is the 20% darker color. If you saturate the color by 10%, you get **482CAF**, and if you desaturate by 10%, it is **644FAF**.

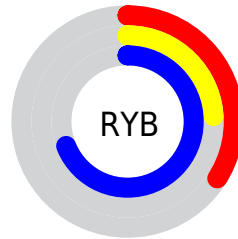
# Distribution



Red (34%)

Green (24%)

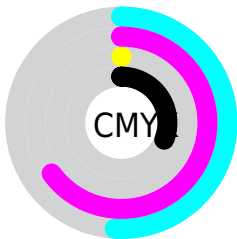
Blue (69%)



Red (34%)

Yellow (24%)

Blue (69%)

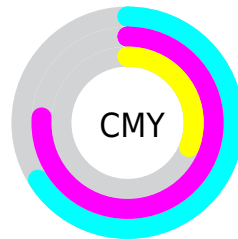


Cyan (51%)

Magenta (65%)

Yellow (0%)

Black (31%)



Cyan (66%)

Magenta (76%)

Yellow (31%)

# Brightness & Saturation Gradients

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



■ 563DAF

■ 563DAF

FFFFFF

■ 392694

■ 8F6EE7

■ 140F79

■ AB88FF

■ 000060

■ C8A2FF

■ 000047

■ E6BEFF

■ 000430

■ FFDAFF

■ 00011A

■ FFF6FF

■ 000000

■ 563DAF

■ 563DAF

■ 482CAF

■ 644FAF

■ 3B1AAF

■ 7160AF

■ 2D09AF

■ 7F72AF

■ 2600AF

■ 8D83AF

■ 9A95AF

■ A8A6AF

■ B6B8AF

■ C3C9AF

■ D1DBAF

# Harmonies

## Analogous

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



0057C3



563DAF



990282

# Triad

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



563DAF



893C00



00685A

# Complementary

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



563DAF



96AF3D

# 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.



00651D



563DAF



5D5300

# Square

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



563DAF



A70914



1B5F00



006891

# Rectangle

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



563DAF



AB005E



1B5F00



006747



# Sweetspot

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



563DAF



C0B6E3



3D96AF



5D5773



F2F2F2



737373



# Same Dimension

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



563DAF



5932E3



8F3DAF



504E57



210096



050017



# Inverse Universe

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



AF3D96



E332BC



5DAF3D



574E55



960075

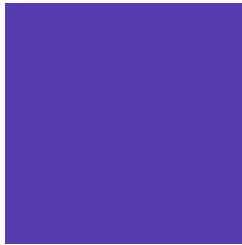


170012



# Previews

## White Background



This preview shows how the Hex color 563DAF 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

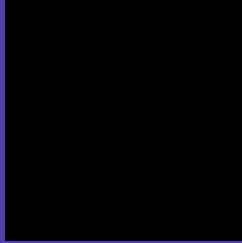
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 563DAF Background



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

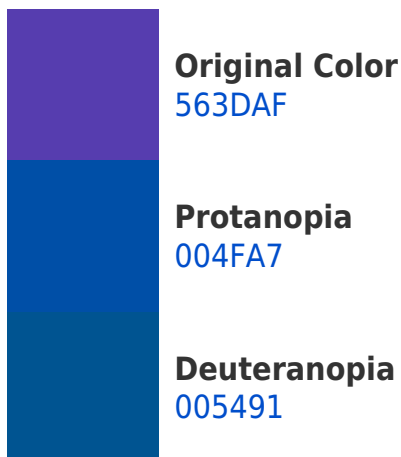


This preview shows how white text looks on a background with the Hex color 563DAF.

# Color Blindness Simulation

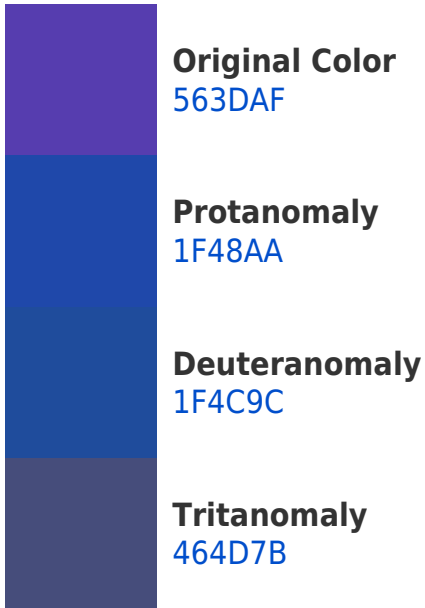
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

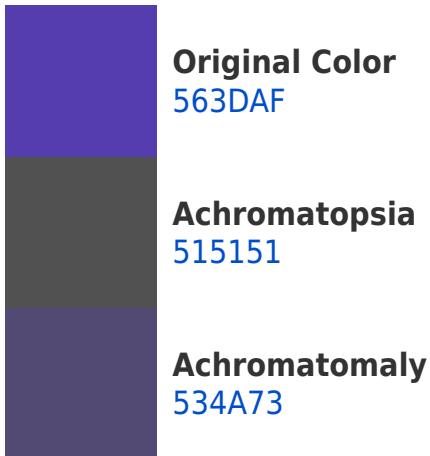




# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #563DAF colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 563DAF 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
#563DAF }
```

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

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

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

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

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

# Background

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

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

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

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

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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