

# Converting Colors

Hex(5B65A3)

Have a look what the booklet for  
Hex(5B65A3) contains.

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# Color

**Hex(5B65A3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B65A3
RGB	91, 101, 163
RGB Percent	36%, 40%, 64%
CMY	0.6431, 0.6039, 0.3608
CMYK	0.44, 0.38, 0.00, 0.36
HSL	232°, 28%, 50%
HSV	232°, 44%, 64%
XYZ	15.5789, 14.1759, 36.5654
YIQ	105.0780, -25.8620, 17.1620

# Conversions

## Conversions Part 2

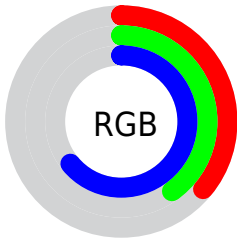
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	91, 100, 163
Decimal	5989795
CIE Lab	44.48, 12.93, -34.73
CIE LCh	44, 37.061, 290.413
Yxy	14.1759, 0.2349, 0.2137
Android (android.graphics.Color)	4284179875 (0xFF5B65A3)
YUV	105.0780, 28.5555, -12.3464
Hunter-Lab	37.6508, 7.9696, -31.2252

# Details

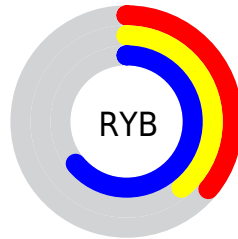
The Hex color **5B65A3** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A3995B**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **9098DA**, and **26376F** is the 20% darker color. If you saturate the color by 10%, you get **4B57A3**, and if you desaturate by 10%, it is **6B73A3**.

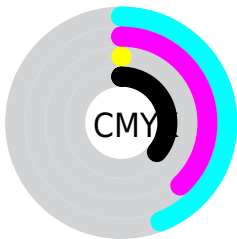
# Distribution



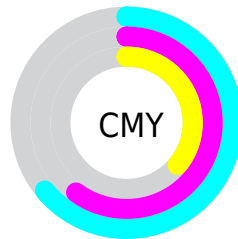
- Red (36%)
- Green (40%)
- Blue (64%)



- Red (36%)
- Yellow (39%)
- Blue (64%)



- Cyan (44%)
- Magenta (38%)
- Yellow (0%)
- Black (36%)



- Cyan (64%)
- Magenta (60%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B65A3 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 5B65A3 by changing the saturation by 10% instead.



■ 5B65A3

■ 5B65A3

FFFFFF

■ 414D88

■ 9098DA

■ 26376F

■ ACB2F7

■ 032256

■ C8CEFF

■ 000C3E

■ E5EAF7

■ 000328

■ 000112

■ 000000

■ 5B65A3

■ 5B65A3

■ 4B57A3

■ 6B73A3

■ 3A49A3

■ 7C81A3

■ 2A3BA3

■ 8C8FA3

■ 1A2DA3

■ 9C9DA3

■ 0A1FA3

■ ADABA3

■ 0017A3

■ BDB9A3

■ CDC7A3

■ DDD5A3

■ EEE3A3

# Harmonies

## Analogous

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



006FA6



5B65A3



865991

# Triad

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



5B65A3



99593B



00785E

# Complementary

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



5B65A3



A3995B

# 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.



427540



5B65A3



84642B

# Square

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



5B65A3



A35055



666E2D



00797E

# Rectangle

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



5B65A3



97527F



666E2D



1E7753



# Sweetspot

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



5B65A3



B8BCD4



5BA398



5A5C6B



EBEBEB



6B6B6B



# Same Dimension

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



5B65A3



6373D4



745BA3



494B52



001491



000212



# Inverse Universe

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



A35B65



D46373



8AA35B



52494B



910014

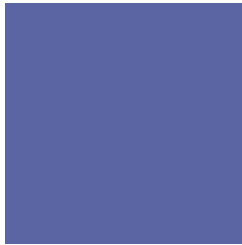


120002



# Previews

## White Background



This preview shows how the Hex color 5B65A3 looks on a white background.

## Color Contrast Check

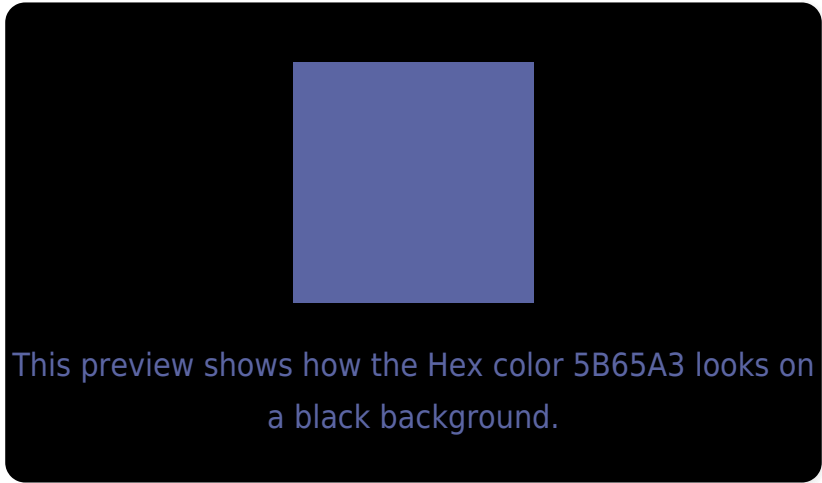
Large Text (above 18pt) WCAG AA ✓ Pass

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

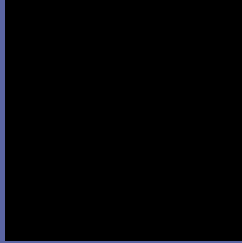
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5B65A3 Background



This preview shows how black text looks on a background with the Hex color 5B65A3.

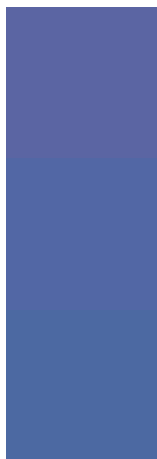


This preview shows how white text looks on a background with the Hex color 5B65A3.

# 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



**Original Color**  
5B65A3

**Protanopia**  
5267A5

**Deuteranopia**  
4C69A2



**Tritanopia**  
4F6E77

# Trichromacy



**Original Color**

5B65A3

**Protanomaly**

5566A4

**Deuteranomaly**

5168A2

**Tritanomaly**

536B87

# Monochromacy



**Original Color**

5B65A3

**Achromatopsia**

696969

**Achromatomaly**

64687E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B65A3 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 #5B65A3 looks like.

```
.text, #text, p{  
    color:#5B65A3  
}
```

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 #5B65A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B65A3
}
```

## Border

The CSS property to change the border of an element to Hex 5B65A3 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
#5B65A3 }
```

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

```
.border{ border-color:#5B65A3 }
```

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

Here you see how a box with a 4 pixel #5B65A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B65A3; -webkit-box-shadow:4px 4px  
4px 4px #5B65A3; box-shadow:4px 4px 4px  
4px #5B65A3 }
```

# Background

The CSS property to change the background color of an element to Hex 5B65A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B65A3 }
```

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

```
.background{ background-color:#5B65A3 }
```

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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