

# Converting Colors

RGB(83, 104, 139)

Have a look what the booklet for  
RGB(83, 104, 139) contains.

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# Color

**RGB(83, 104, 139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53688B
RGB	83, 104, 139
RGB Percent	33%, 41%, 55%
CMY	0.6745, 0.5922, 0.4549
CMYK	0.40, 0.25, 0.00, 0.45
HSL	218°, 25%, 44%
HSV	218°, 40%, 55%
XYZ	13.1778, 13.6037, 26.3573
YIQ	101.7110, -23.7510, 6.4330

# Conversions

## Conversions Part 2

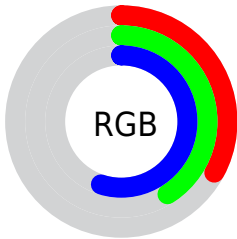
Format	Color
R <sub>Y</sub> B	83, 98, 139
Decimal	5466251
CIE Lab	43.66, 1.63, -21.79
CIE LCh	44, 21.846, 274.287
Yxy	13.6037, 0.2480, 0.2560
Android (android.graphics.Color)	4283656331 (0xFF53688B)
YUV	101.7110, 18.3835, -16.4095
Hunter-Lab	36.8832, -0.7703, -16.5513

# Details

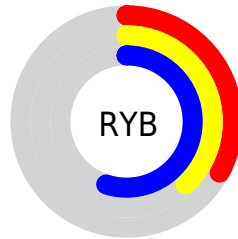
The RGB color **83, 104, 139** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **139, 118, 83**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **135, 155, 193**, and **33, 57, 89** is the 20% darker color. If you saturate the color by 10%, you get **69, 95, 139**, and if you desaturate by 10%, it is **97, 113, 139**.

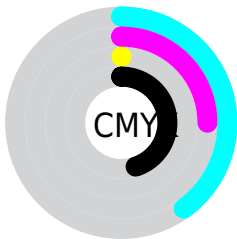
# Distribution



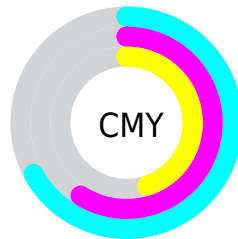
- Red (33%)
- Green (41%)
- Blue (55%)



- Red (33%)
- Yellow (38%)
- Blue (55%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (59%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 83, 104, 139 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 RGB color 83, 104, 139 by changing the saturation by 10% instead.





83, 104, 139



83, 104, 139

255, 255, 255



58, 80, 113



135, 155, 193



33, 57, 89



161, 182, 221



5, 36, 65



189, 209, 249



0, 14, 43



217, 238, 255



0, 1, 22



246, 255, 255



0, 0, 0



83, 104, 139



83, 104, 139



69, 95, 139



97, 113, 139



55, 87, 139



111, 121, 139

■ 41, 78, 139

■ 125, 130, 139

■ 27, 69, 139

■ 139, 139, 139

■ 14, 61, 139

■ 153, 147, 139

■ 0, 52, 139

■ 166, 156, 139

■ 180, 165, 139

■ 194, 173, 139

■ 208, 182, 139

# Harmonies

## Analogous

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



57, 109, 135



83, 104, 139



109, 98, 133

# Triad

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



83, 104, 139



138, 92, 84



72, 112, 87

# Complementary

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



83, 104, 139



139, 118, 83

# 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.



94, 108, 73



83, 104, 139



129, 97, 71

# Square

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



83, 104, 139



138, 90, 101



113, 103, 67



52, 113, 105

# Rectangle

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



83, 104, 139



123, 94, 125



113, 103, 67



80, 111, 81



# Sweetspot

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



83, 104, 139



159, 167, 181



83, 139, 118



79, 84, 92



219, 219, 219



92, 92, 92



# Same Dimension

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



83, 104, 139



94, 127, 181



90, 83, 139



62, 65, 69



0, 50, 133



0, 2, 5



# Inverse Universe

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



139, 83, 104



181, 94, 127



132, 139, 83



69, 62, 65



133, 0, 50

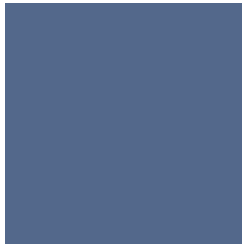


5, 0, 2



# Previews

## White Background



This preview shows how the RGB color 83, 104, 139 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



This preview shows how the RGB color 83, 104, 139 looks on a 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

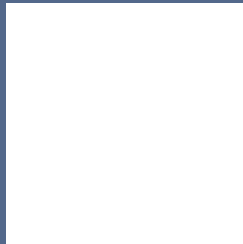
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 83, 104, 139 Background



This preview shows how black text looks on a background with the RGB color 83, 104, 139.

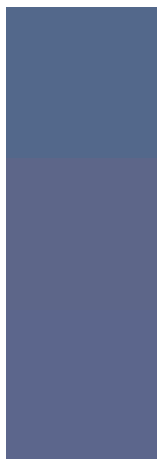


This preview shows how white text looks on a background with the RGB color 83, 104, 139.

# 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

83, 104, 139

### Protanopia

93, 102, 137

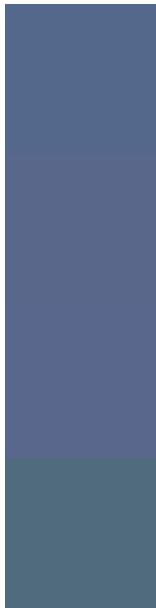
### Deuteranopia

92, 102, 140



**Tritanopia**  
77, 108, 117

# Trichromacy



**Original Color**

83, 104, 139

**Protanomaly**

89, 103, 138

**Deuteranomaly**

89, 103, 140

**Tritanomaly**

79, 107, 125

# Monochromacy



**Original Color**

83, 104, 139

**Achromatopsia**

102, 102, 102

**Achromatomaly**

95, 103, 115

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 83, 104, 139 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 rgb(83, 104, 139) looks like.

```
.text, #text, p{  
    color:rgb(83, 104, 139)  
}
```

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 rgb(83, 104, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 139) }
```

## Border

The CSS property to change the border of an element to RGB 83, 104, 139 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 rgb(83, 104, 139) }
```

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

```
.border{ border-color:rgb(83, 104, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 104, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 139);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
139) }
```

# Background

The CSS property to change the background color of an element to RGB 83, 104, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 139) }
```

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

```
.background{ background-color: rgb(83, 104,  
139) }
```

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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