

Converting Colors

RGB(80, 97, 157)

Have a look what the booklet for
RGB(80, 97, 157) contains.

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Color

RGB(80, 97, 157)

Conversions

Conversions Part 1

Format	Color
Hex	50619D
RGB	80, 97, 157
RGB Percent	31%, 38%, 62%
CMY	0.6863, 0.6196, 0.3843
CMYK	0.49, 0.38, 0.00, 0.38
HSL	227°, 32%, 46%
HSV	227°, 49%, 62%
XYZ	13.6688, 12.6892, 33.6271
YIQ	98.7570, -29.3920, 15.0560

Conversions

Conversions Part 2

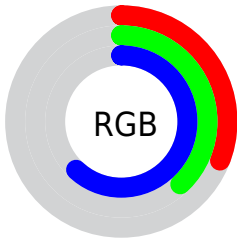
Format	Color
R_{YB}	80, 94, 157
Decimal	5267869
CIE _{Lab}	42.29, 10.70, -34.69
CIE _{LCh}	42, 36.301, 287.150
Yxy	12.6892, 0.2279, 0.2115
Android (android.graphics.Color)	4283457949 (0xFF50619D)
YUV	98.7570, 28.7138, -16.4499
Hunter-Lab	35.6219, 6.1554, -31.0346

Details

The RGB color **80, 97, 157** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **157, 140, 80**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **133, 147, 212**, and **24, 51, 105** is the 20% darker color. If you saturate the color by 10%, you get **64, 85, 157**, and if you desaturate by 10%, it is **96, 109, 157**.

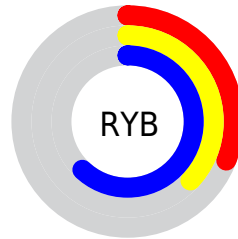
Distribution



Red (31%)

Green (38%)

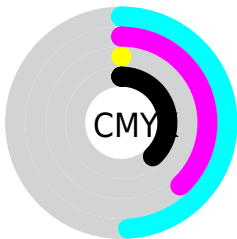
Blue (62%)



Red (31%)

Yellow (37%)

Blue (62%)

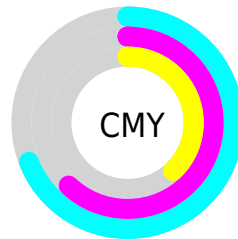


Cyan (49%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (69%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 97, 157 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 80, 97, 157 by changing the saturation by 10% instead.



80, 97, 157



80, 97, 157

255, 255, 255



53, 73, 131



133, 147, 212



24, 51, 105



161, 174, 240



0, 30, 81



189, 201, 255



0, 5, 57



217, 229, 255



0, 2, 35



246, 255, 255



0, 0, 10



0, 0, 0



80, 97, 157



80, 97, 157



64, 85, 157



96, 109, 157

■ 49, 73, 157

■ 111, 121, 157

■ 33, 60, 157

■ 127, 134, 157

■ 17, 48, 157

■ 143, 146, 157

■ 1, 36, 157

■ 159, 158, 157

■ 0, 35, 157

■ 174, 170, 157

■ 190, 183, 157

■ 206, 195, 157

■ 221, 207, 157

Harmonies

Analogous

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



0, 107, 158



80, 97, 157



124, 85, 141

Triad

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



80, 97, 157



148, 83, 57



0, 114, 86

Complementary

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



80, 97, 157



157, 140, 80

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.



66, 110, 57



80, 97, 157



128, 94, 40

Square

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



80, 97, 157



156, 75, 84



100, 104, 40



0, 115, 117

Rectangle

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



80, 97, 157



142, 78, 124



100, 104, 40



34, 113, 75

Sweetspot

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



80, 97, 157



173, 180, 204



80, 157, 139



84, 88, 102



230, 230, 230



102, 102, 102

Same Dimension

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



80, 97, 157



84, 110, 204



101, 80, 157



71, 73, 79



0, 32, 143



0, 3, 15

Inverse Universe

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



157, 80, 97



204, 84, 110



136, 157, 80



79, 71, 73



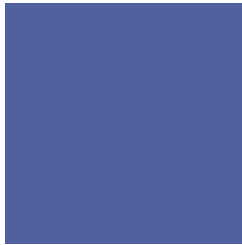
143, 0, 32



15, 0, 3

Previews

White Background



This preview shows how the RGB color 80, 97, 157 looks on a white background.

Color Contrast Check

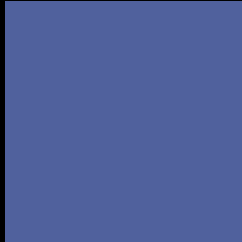
Large Text (above 18pt) WCAG AA ✓ Pass

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 80, 97, 157 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 80, 97, 157 Background



This preview shows how black text looks on a background with the RGB color 80, 97, 157.



This preview shows how white text looks on a background with the RGB color 80, 97, 157.

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
80, 97, 157

Protanopia
77, 98, 158

Deuteranopia
69, 100, 156



Tritanopia
67, 106, 114

Trichromacy



Original Color
80, 97, 157

Protanomaly
78, 98, 158

Deuteranomaly
73, 99, 156

Tritanomaly
72, 103, 130

Monochromacy



Original Color
80, 97, 157

Achromatopsia
99, 99, 99

Achromatomaly
92, 98, 120

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 97, 157 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(80, 97, 157)` looks like.

```
.text, #text, p{  
    color:rgb(80, 97, 157)  
}
```

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(80, 97, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 97, 157) }
```

Border

The CSS property to change the border of an element to RGB 80, 97, 157 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(80, 97, 157) }
```

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

```
.border{ border-color:rgb(80, 97, 157) }
```

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

Here you see how a box with a 4 pixel rgb(80, 97, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 97, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 97, 157);  
box-shadow:4px 4px 4px 4px rgb(80, 97,  
157) }
```

Background

The CSS property to change the background color of an element to RGB 80, 97, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 97, 157) }
```

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

```
.background{ background-color: rgb(80, 97,  
157) }
```

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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