

Converting Colors

RGB(81, 117, 171)

Have a look what the booklet for
RGB(81, 117, 171) contains.

RGB(81, 117, 171)	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

RGB(81, 117, 171)

Conversions

Conversions Part 1

Format	Color
Hex	5175AB
RGB	81, 117, 171
RGB Percent	32%, 46%, 67%
CMY	0.6824, 0.5412, 0.3294
CMYK	0.53, 0.32, 0.00, 0.33
HSL	216°, 36%, 49%
HSV	216°, 53%, 67%
XYZ	17.1053, 17.4122, 40.9874
YIQ	112.3920, -38.7900, 9.1620

Conversions

Conversions Part 2

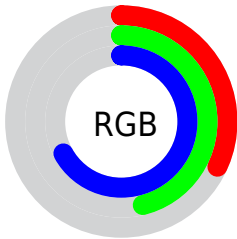
Format	Color
R_{YB}	81, 107, 171
Decimal	5338539
CIE _{Lab}	48.78, 3.09, -32.73
CIE _{LCh}	49, 32.873, 275.393
Yxy	17.4122, 0.2265, 0.2306
Android (android.graphics.Color)	4283528619 (0xFF5175AB)
YUV	112.3920, 28.8937, -27.5308
Hunter-Lab	41.7279, 0.1478, -29.0283

Details

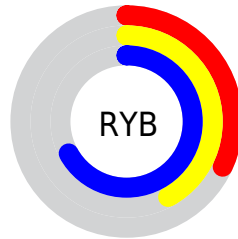
The RGB color **81, 117, 171** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **171, 135, 81**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **136, 169, 227**, and **20, 69, 118** is the 20% darker color. If you saturate the color by 10%, you get **64, 107, 171**, and if you desaturate by 10%, it is **98, 127, 171**.

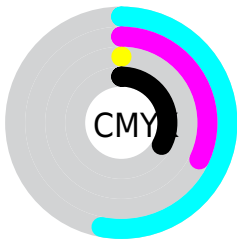
Distribution



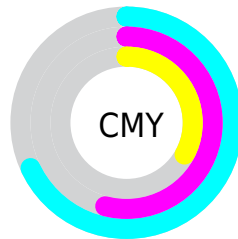
- Red (32%)
- Green (46%)
- Blue (67%)



- Red (32%)
- Yellow (42%)
- Blue (67%)



- Cyan (53%)
- Magenta (32%)
- Yellow (0%)
- Black (33%)



- Cyan (68%)
- Magenta (54%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 81, 117, 171 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 81, 117, 171 by changing the saturation by 10% instead.



81, 117, 171



81, 117, 171

255, 255, 255



53, 93, 144



136, 169, 227



20, 69, 118



163, 196, 255



0, 47, 93



192, 224, 255



0, 27, 69



220, 252, 255



0, 4, 47



250, 255, 255



0, 1, 25



0, 0, 0



81, 117, 171



81, 117, 171



64, 107, 171



98, 127, 171

■ 47, 96, 171

■ 115, 138, 171

■ 30, 86, 171

■ 132, 148, 171

■ 13, 76, 171

■ 149, 158, 171

■ 0, 68, 171

■ 166, 168, 171

■ 184, 179, 171

■ 201, 189, 171

■ 218, 199, 171

■ 235, 209, 171

Harmonies

Analogous

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



3, 125, 166



81, 117, 171



125, 107, 161

Triad

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



81, 117, 171



167, 97, 85



63, 129, 92

Complementary

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



81, 117, 171



171, 135, 81

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.



99, 124, 69



81, 117, 171



152, 106, 66

Square

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



81, 117, 171



168, 93, 112



128, 116, 59



0, 130, 120

Rectangle

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



81, 117, 171



147, 100, 148



128, 116, 59



76, 127, 83

Sweetspot

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



81, 117, 171



186, 201, 222



81, 171, 135



91, 99, 112



240, 240, 240



112, 112, 112

Same Dimension

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



81, 117, 171



82, 138, 222



90, 81, 171



78, 81, 87



0, 60, 150



0, 9, 23

Inverse Universe

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



171, 81, 117



222, 82, 138



162, 171, 81



87, 78, 81



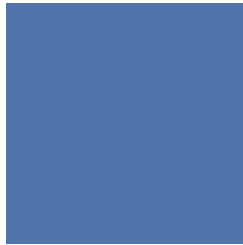
150, 0, 60



23, 0, 9

Previews

White Background



This preview shows how the RGB color 81, 117, 171 looks on a white background.

Color Contrast Check

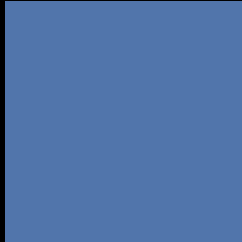
Large Text (above 18pt) WCAG AA ✓ Pass

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 81, 117, 171 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

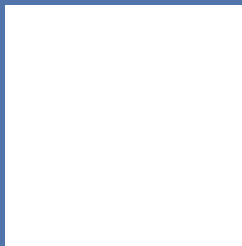
Any Text WCAG AAA × Fail

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

RGB 81, 117, 171 Background



This preview shows how black text looks on a background with the RGB color 81, 117, 171.



This preview shows how white text looks on a background with the RGB color 81, 117, 171.

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
81, 117, 171

Protanopia
98, 114, 168

Deuteranopia
91, 115, 171



Tritanopia
68, 124, 134

Trichromacy



Original Color

81, 117, 171

Protanomaly

92, 115, 169

Deuteranomaly

87, 116, 171

Tritanomaly

73, 121, 147

Monochromacy



Original Color

81, 117, 171

Achromatopsia

112, 112, 112

Achromatomaly

101, 114, 133

CSS Examples

Text

The CSS property to change the color of the text to RGB 81, 117, 171 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(81, 117, 171)` looks like.

```
.text, #text, p{  
    color:rgb(81, 117, 171)  
}
```

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(81, 117, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 117, 171) }
```

Border

The CSS property to change the border of an element to RGB 81, 117, 171 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(81, 117, 171) }
```

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

```
.border{ border-color:rgb(81, 117, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 117, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 117, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 117, 171);  
box-shadow:4px 4px 4px 4px rgb(81, 117,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 81, 117, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 117, 171) }
```

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

```
.background{ background-color: rgb(81, 117,  
171) }
```

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