

Converting Colors

`RYB(81, 102, 175)`

Have a look what the booklet for
RYB(81, 102, 175) contains.

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Color

R_YB(81, 102, 175)

Conversions

Conversions Part 1

Format	Color
Hex	516CAF
RGB	81, 108, 175
RGB Percent	32%, 42%, 69%
CMY	0.6824, 0.5763, 0.3137
CMYK	0.54, 0.38, 0.00, 0.31
HSL	223°, 37%, 50%
HSV	223°, 54%, 69%
XYZ	16.4981, 15.5783, 42.6948
YIQ	107.5650, -37.5990, 15.1130

Conversions

Conversions Part 2

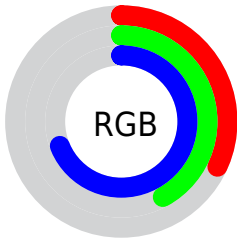
Format	Color
R_{YB}	81, 102, 175
Decimal	5336239
CIE _{Lab}	46.42, 9.88, -38.77
CIE _{LCh}	46, 40.011, 284.292
Yxy	15.5783, 0.2206, 0.2083
Android (android.graphics.Color)	4283526319 (0xFF516CAF)
YUV	107.5650, 33.2455, -23.2975
Hunter-Lab	39.4693, 5.5414, -36.5067

Details

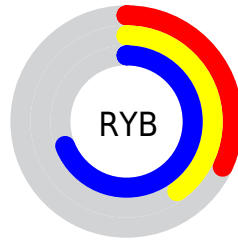
The RYB color **81, 102, 175** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **119, 175, 81**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **136, 155, 231**, and **18, 48, 122** is the 20% darker color. If you saturate the color by 10%, you get **64, 89, 175**, and if you desaturate by 10%, it is **98, 116, 175**.

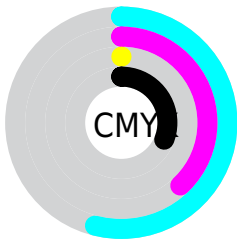
Distribution



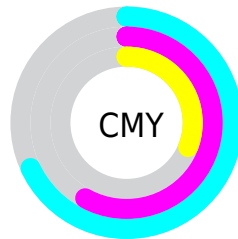
- Red (32%)
- Green (42%)
- Blue (69%)



- Red (32%)
- Yellow (40%)
- Blue (69%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (31%)



- Cyan (68%)
- Magenta (58%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 102, 175 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 RYB color 81, 102, 175 by changing the saturation by 10% instead.



81, 102, 175



81, 102, 175

255, 255, 255



53, 76, 148



136, 155, 231



18, 48, 122



164, 182, 255



0, 28, 97



192, 208, 255



0, 16, 73



221, 234, 255



0, 4, 50



251, 253, 255



0, 1, 28



0, 0, 0



81, 102, 175



81, 102, 175



64, 89, 175



98, 116, 175

■ 46, 75, 175

■ 116, 129, 175

■ 28, 61, 175

■ 134, 143, 175

■ 11, 48, 175

■ 151, 156, 175

■ 0, 39, 175

■ 169, 170, 175

■ 179, 186, 175

■ 186, 203, 175

■ 193, 221, 175

■ 200, 238, 175

Harmonies

Analogous

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



0, 71, 174



81, 102, 175



133, 95, 158

Triad

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



81, 102, 175



165, 97, 65



3, 75, 126

Complementary

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



81, 102, 175



119, 175, 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.



60, 121, 105



81, 102, 175



116, 144, 44

Square

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



81, 102, 175



173, 81, 95



42, 114, 41



0, 64, 127

Rectangle

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



81, 102, 175



155, 86, 140



42, 114, 41



41, 97, 124

Sweetspot

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



81, 102, 175



191, 199, 227



81, 136, 175



93, 98, 115



242, 242, 242



115, 115, 115

Same Dimension

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



81, 102, 175



82, 114, 227



100, 81, 175



78, 80, 87



0, 33, 150



0, 5, 23

Inverse Universe

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



175, 81, 108



227, 82, 123



81, 175, 100



87, 78, 81



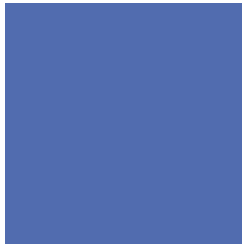
150, 0, 43



23, 0, 7

Previews

White Background



This preview shows how the RYB color 81, 102, 175 looks on a white background.

Color Contrast Check

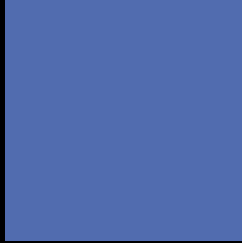
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 81, 102, 175 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](#).

RYB 81, 102, 175 Background



This preview shows how black text looks on a background with the RYB color 81, 102, 175.

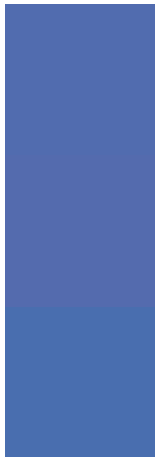


This preview shows how white text looks on a background with the RYB color 81, 102, 175.

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, 102, 175

Protanopia

84, 102, 174

Deuteranopia

73, 100, 175



Tritanopia

64, 93, 127

Trichromacy



Original Color
81, 102, 175

Protanomaly
83, 102, 174

Deuteranomaly
76, 101, 175

Tritanomaly
70, 98, 144

Monochromacy



Original Color
81, 102, 175

Achromatopsia
108, 108, 108

Achromatomaly
98, 106, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 102, 175 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, 108, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 108, 175)  
}
```

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, 108, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 108, 175) }
```

Border

The CSS property to change the border of an element to RYB 81, 102, 175 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, 108, 175) }
```

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

```
.border{ border-color:rgb(81, 108, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 108, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 108, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 108, 175);  
box-shadow:4px 4px 4px 4px rgb(81, 108,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 81, 102, 175 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 108, 175) }
```

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

```
.background{ background-color: rgb(81, 108,  
175) }
```

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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