

Converting Colors

`RYB(81, 89, 154)`

Have a look what the booklet for
RYB(81, 89, 154) contains.

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Color

R_YB(81, 89, 154)

Conversions

Conversions Part 1

Format	Color
Hex	515A9A
RGB	81, 90, 154
RGB Percent	32%, 35%, 60%
CMY	0.6824, 0.6471, 0.3961
CMYK	0.47, 0.42, 0.00, 0.40
HSL	233°, 31%, 46%
HSV	233°, 47%, 60%
XYZ	12.8809, 11.3922, 32.0919
YIQ	94.6050, -25.9080, 17.9960

Conversions

Conversions Part 2

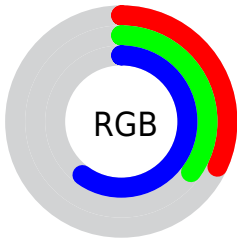
Format	Color
RYB	81, 89, 154
Decimal	5331610
CIELab	40.23, 14.44, -36.15
CIElCh	40, 38.923, 291.779
Yxy	11.3922, 0.2285, 0.2021
Android (android.graphics.Color)	4283521690 (0xFF515A9A)
YUV	94.6050, 29.2817, -11.9316
Hunter-Lab	33.7523, 9.0548, -32.7467

Details

The RYB color **81, 89, 154** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **91, 154, 81**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **134, 140, 209**, and **26, 41, 102** is the 20% darker color. If you saturate the color by 10%, you get **66, 75, 154**, and if you desaturate by 10%, it is **96, 102, 154**.

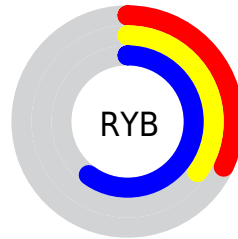
Distribution



Red (32%)

Green (35%)

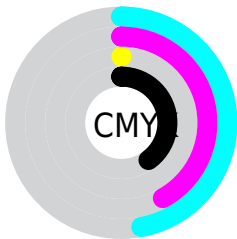
Blue (60%)



Red (32%)

Yellow (35%)

Blue (60%)

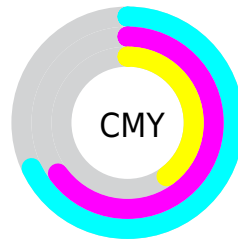


Cyan (47%)

Magenta (42%)

Yellow (0%)

Black (40%)



Cyan (68%)

Magenta (65%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 89, 154 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, 89, 154 by changing the saturation by 10% instead.

■ 81, 89, 154

■ 81, 89, 154

255, 255, 255

■ 55, 65, 128

■ 134, 140, 209

■ 26, 41, 102

■ 161, 166, 237

■ 0, 19, 78

■ 189, 193, 255

■ 0, 0, 55

■ 218, 221, 255

■ 0, 2, 33

■ 247, 249, 255

■ 0, 0, 5

■ 0, 0, 0

■ 81, 89, 154

■ 81, 89, 154

■ 66, 75, 154

■ 96, 102, 154

■ 50, 62, 154

■ 112, 116, 154

■ 35, 48, 154

■ 127, 130, 154

■ 19, 34, 154

■ 143, 144, 154

■ 4, 20, 154

■ 154, 158, 154

■ 0, 17, 154

■ 156, 173, 154

■ 159, 189, 154

■ 161, 204, 154

■ 163, 220, 154

Harmonies

Analogous

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



0, 62, 158



81, 89, 154



125, 77, 135

Triad

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



81, 89, 154



142, 94, 46



0, 62, 110

Complementary

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



81, 89, 154



91, 154, 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.



51, 104, 107



81, 89, 154



73, 120, 28

Square

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



81, 89, 154



153, 68, 73



32, 100, 42



0, 57, 117

Rectangle

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



81, 89, 154



143, 70, 115



32, 100, 42



0, 65, 109

Sweetspot

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



81, 89, 154



173, 177, 201



81, 120, 154



85, 87, 102



230, 230, 230



102, 102, 102

Same Dimension

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



81, 89, 154



87, 99, 201



108, 81, 154



69, 70, 77



0, 15, 140



0, 2, 13

Inverse Universe

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



154, 81, 90



201, 87, 101



81, 154, 108



77, 69, 70



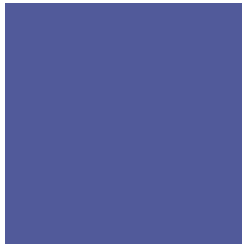
140, 0, 17



13, 0, 2

Previews

White Background



This preview shows how the RYB color 81, 89, 154 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, 89, 154 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](#).

R_YB 81, 89, 154 Background



This preview shows how black text looks on a background with the R_YB color 81, 89, 154.



This preview shows how white text looks on a background with the R_YB color 81, 89, 154.

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, 89, 154

Protanopia

69, 88, 156

Deuteranopia

60, 85, 153



Tritanopia
68, 86, 108

Trichromacy



Original Color

81, 89, 154

Protanomaly

73, 88, 155

Deuteranomaly

68, 87, 153

Tritanomaly

73, 89, 125

Monochromacy



Original Color

81, 89, 154

Achromatopsia

95, 95, 95

Achromatomaly

90, 93, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 89, 154 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, 90, 154)` looks like.

```
.text, #text, p{  
    color:rgb(81, 90, 154)  
}
```

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, 90, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 90, 154) }
```

Border

The CSS property to change the border of an element to RYB 81, 89, 154 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, 90, 154) }
```

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

```
.border{ border-color:rgb(81, 90, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 90, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 90, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 90, 154);  
box-shadow:4px 4px 4px 4px rgb(81, 90,  
154) }
```

Background

The CSS property to change the background color of an element to RYB 81, 89, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 90, 154) }
```

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

```
.background{ background-color: rgb(81, 90,  
154) }
```

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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