

Converting Colors

`RYB(81, 95, 117)`

Have a look what the booklet for
RYB(81, 95, 117) contains.

RYB(81, 95, 117)	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

R_YB(81, 95, 117)

Conversions

Conversions Part 1

Format	Color
Hex	516875
RGB	81, 104, 117
RGB Percent	32%, 41%, 46%
CMY	0.6824, 0.5925, 0.5412
CMYK	0.31, 0.11, 0.00, 0.54
HSL	202°, 18%, 39%
HSV	202°, 31%, 46%
XYZ	11.5454, 12.9160, 18.7142
YIQ	98.6050, -17.8810, -0.8330

Conversions

Conversions Part 2

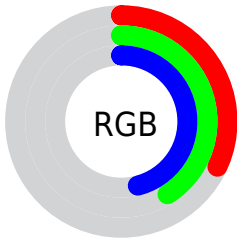
Format	Color
R_{YB}	81, 95, 117
Decimal	5335157
CIE _{Lab}	42.64, -5.12, -10.10
CIE _{LCh}	43, 11.324, 243.127
Yxy	12.9160, 0.2674, 0.2992
Android (android.graphics.Color)	4283525237 (0xFF516875)
YUV	98.6050, 9.0687, -15.4396
Hunter-Lab	35.9389, -5.5497, -5.7164

Details

The RYB color **81, 95, 117** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **117, 101, 81**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **131, 146, 169**, and **34, 48, 69** is the 20% darker color. If you saturate the color by 10%, you get **69, 88, 117**, and if you desaturate by 10%, it is **93, 102, 117**.

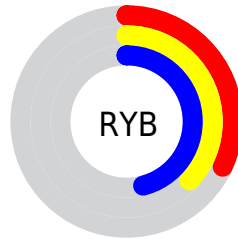
Distribution



Red (32%)

Green (41%)

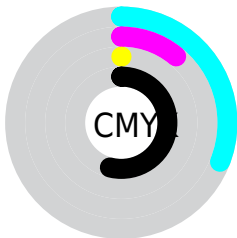
Blue (46%)



Red (32%)

Yellow (37%)

Blue (46%)

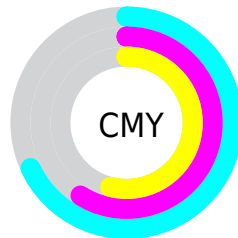


Cyan (31%)

Magenta (11%)

Yellow (0%)

Black (54%)



Cyan (68%)

Magenta (59%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 95, 117 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, 95, 117 by changing the saturation by 10% instead.



81, 95, 117



81, 95, 117

255, 255, 255



57, 71, 92



131, 146, 169



34, 48, 69



158, 173, 196



11, 25, 47



185, 200, 224



0, 9, 26



213, 228, 253



0, 0, 0



241, 248, 255



81, 95, 117



81, 95, 117



69, 88, 117



93, 102, 117



58, 81, 117



104, 109, 117

■ 46, 74, 117

■ 116, 117, 117

■ 34, 66, 117

■ 128, 123, 117

■ 22, 59, 117

■ 139, 130, 117

■ 11, 52, 117

■ 151, 136, 117

■ 0, 45, 117

■ 163, 144, 117

■ 175, 150, 117

■ 186, 156, 117

Harmonies

Analogous

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



76, 92, 110



81, 95, 117



92, 99, 119

Triad

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



81, 95, 117



120, 94, 100



85, 103, 91

Complementary

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



81, 95, 117



117, 101, 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.



92, 107, 82



81, 95, 117



120, 96, 91

Square

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



81, 95, 117



114, 95, 109



115, 106, 84



86, 100, 105

Rectangle

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



81, 95, 117



100, 99, 118



115, 106, 84



83, 102, 85

Sweetspot

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



81, 95, 117



139, 144, 153



81, 107, 117



68, 71, 77



204, 204, 204



77, 77, 77

Same Dimension

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



81, 95, 117



96, 118, 153



81, 85, 117



53, 55, 59



0, 48, 122



0, 97, 250

Inverse Universe

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



117, 81, 104



153, 96, 132



87, 117, 81



59, 53, 57



122, 0, 78



250, 0, 159

Previews

White Background



This preview shows how the RYB color 81, 95, 117 looks on a white background.

Color Contrast Check

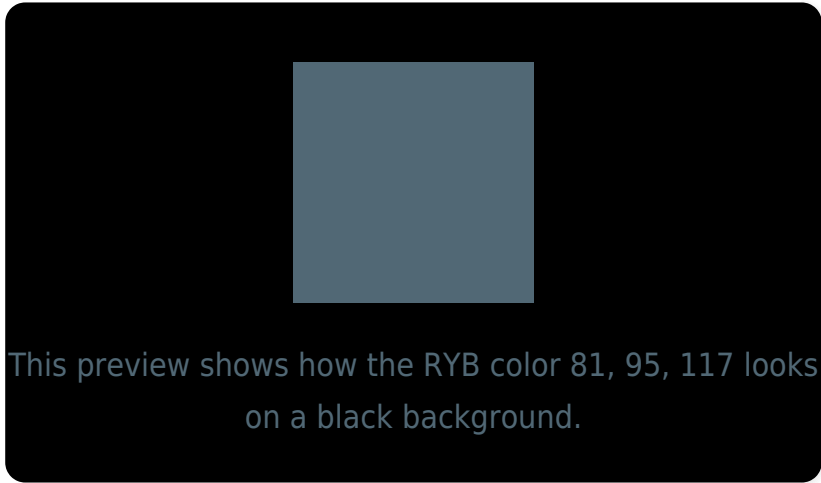
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

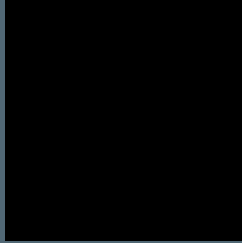
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

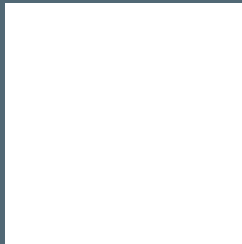
Any Text WCAG AAA × Fail

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

RYB 81, 95, 117 Background



This preview shows how black text looks on a background with the RYB color 81, 95, 117.



This preview shows how white text looks on a background with the RYB color 81, 95, 117.

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, 95, 117

Protanopia

98, 100, 114

Deuteranopia

102, 98, 118



Tritanopia
80, 94, 113

Trichromacy



Original Color

81, 95, 117

Protanomaly

92, 98, 115

Deuteranomaly

94, 99, 118

Tritanomaly

80, 94, 114

Monochromacy



Original Color

81, 95, 117

Achromatopsia

99, 99, 99

Achromatomaly

92, 97, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 95, 117 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, 104, 117)` looks like.

```
.text, #text, p{  
    color:rgb(81, 104, 117)  
}
```

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, 104, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 104, 117) }
```

Border

The CSS property to change the border of an element to RYB 81, 95, 117 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, 104, 117) }
```

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

```
.border{ border-color:rgb(81, 104, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 104, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 104, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 104, 117);  
box-shadow:4px 4px 4px 4px rgb(81, 104,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 81, 95, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 104, 117) }
```

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

```
.background{ background-color: rgb(81, 104,  
117) }
```

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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