

Converting Colors

`RYB(80, 109, 113)`

Have a look what the booklet for
RYB(80, 109, 113) contains.

RYB(80, 109, 113)	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(80, 109, 113)

Conversions

Conversions Part 1

Format	Color
Hex	507155
RGB	80, 113, 85
RGB Percent	31%, 44%, 33%
CMY	0.6863, 0.5569, 0.6684
CMYK	0.29, 0.00, 0.25, 0.56
HSL	128°, 17%, 38%
HSV	128°, 29%, 44%
XYZ	10.8353, 14.1645, 10.6642
YIQ	99.9410, -10.6800, -15.7040

Conversions

Conversions Part 2

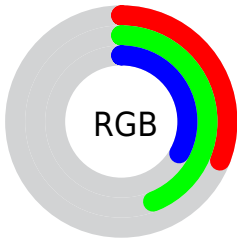
Format	Color
R_{YB}	80, 109, 113
Decimal	5271893
CIE _{Lab}	44.47, -18.20, 12.06
CIE _{LCh}	44, 21.834, 146.456
Yxy	14.1645, 0.3038, 0.3972
Android (android.graphics.Color)	4283461973 (0xFF507155)
YUV	99.9410, -7.3659, -17.4883
Hunter-Lab	37.6358, -14.4725, 9.5451

Details

The RYB color **80, 109, 113** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **113, 80, 108**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **130, 161, 165**, and **34, 60, 65** is the 20% darker color. If you saturate the color by 10%, you get **69, 108, 113**, and if you desaturate by 10%, it is **91, 110, 113**.

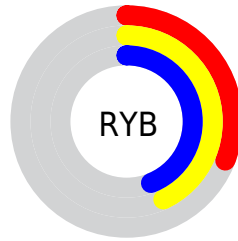
Distribution



Red (31%)

Green (44%)

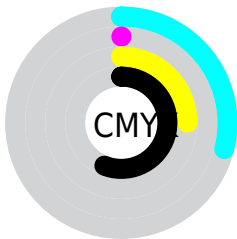
Blue (33%)



Red (31%)

Yellow (43%)

Blue (44%)

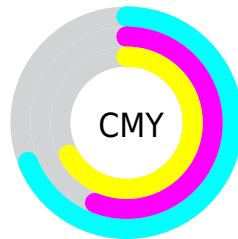


Cyan (29%)

Magenta (0%)

Yellow (25%)

Black (56%)



Cyan (69%)

Magenta (56%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 109, 113 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 80, 109, 113 by changing the saturation by 10% instead.



80, 109, 113



80, 109, 113

255, 255, 255



56, 84, 88



130, 161, 165



34, 61, 65



156, 188, 192



11, 37, 43



184, 217, 220



0, 24, 24



211, 245, 249



0, 0, 0



240, 252, 255



80, 109, 113



80, 109, 113



69, 108, 113



91, 110, 113



57, 106, 113



103, 112, 113

■ 46, 105, 113

■ 114, 113, 114

■ 35, 103, 113

■ 125, 113, 124

■ 24, 102, 113

■ 137, 113, 133

■ 12, 101, 113

■ 148, 113, 143

■ 1, 100, 113

■ 159, 113, 153

■ 0, 99, 113

■ 170, 113, 162

■ 182, 113, 172

Harmonies

Analogous

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



72, 109, 80



80, 109, 113



59, 91, 115

Triad

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



80, 109, 113



78, 98, 141



141, 93, 90

Complementary

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



80, 109, 113



113, 80, 108

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.



139, 92, 108



80, 109, 113



105, 101, 138

Square

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



80, 109, 113



53, 87, 135



126, 95, 125



134, 109, 76

Rectangle

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



80, 109, 113



49, 82, 115



126, 95, 125



141, 92, 96

Sweetspot

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



80, 109, 113



135, 147, 148



80, 113, 84



66, 73, 74



201, 201, 201



74, 74, 74

Same Dimension

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



80, 109, 113



96, 142, 148



80, 100, 113



50, 55, 56



0, 105, 120



0, 217, 247

Inverse Universe

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



113, 80, 108



148, 96, 141



113, 80, 92



56, 50, 55



120, 0, 103



247, 0, 213

Previews

White Background



This preview shows how the RYB color 80, 109, 113 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 80, 109, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

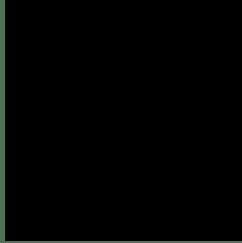
Any Text WCAG AA × Fail

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 Y B 80, 109, 113 Background



This preview shows how black text looks on a background with the R Y B color 80, 109, 113.



This preview shows how white text looks on a background with the R Y B color 80, 109, 113.

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, 109, 113](#)

Protanopia

[90, 112, 81](#)

Deuteranopia

[121, 111, 87](#)



Tritanopia
86, 99, 117

Trichromacy



Original Color
80, 109, 113

Protanomaly
82, 108, 90

Deuteranomaly
87, 106, 86

Tritanomaly
84, 98, 110

Monochromacy



Original Color
80, 109, 113

Achromatopsia
100, 100, 100

Achromatomaly
93, 104, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 109, 113 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, 113, 85)` looks like.

```
.text, #text, p{  
    color:rgb(80, 113, 85)  
}
```

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, 113, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 113, 85) }
```

Border

The CSS property to change the border of an element to RYB 80, 109, 113 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, 113, 85) }
```

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

```
.border{ border-color:rgb(80, 113, 85) }
```

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

Here you see how a box with a 4 pixel rgb(80, 113, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 113, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 113, 85);  
box-shadow:4px 4px 4px 4px rgb(80, 113,  
85) }
```

Background

The CSS property to change the background color of an element to RYB 80, 109, 113 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 113, 85) }
```

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

```
.background{ background-color: rgb(80, 113,  
85) }
```

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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