

Converting Colors

`RYB(80, 117, 104)`

Have a look what the booklet for
RYB(80, 117, 104) contains.

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Color

R_YB(80, 117, 104)

Conversions

Conversions Part 1

Format	Color
Hex	5D7550
RGB	93, 117, 80
RGB Percent	36%, 46%, 31%
CMY	0.6353, 0.5412, 0.6863
CMYK	0.21, 0.00, 0.32, 0.54
HSL	99°, 19%, 39%
HSV	99°, 32%, 46%
XYZ	12.3235, 15.6289, 9.9566
YIQ	105.6060, -2.4270, -16.5950

Conversions

Conversions Part 2

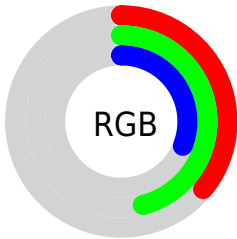
Format	Color
R_{YB}	80, 117, 104
Decimal	6124880
CIE _{Lab}	46.48, -16.26, 17.63
CIE _{LCh}	46, 23.981, 132.692
Yxy	15.6289, 0.3251, 0.4123
Android (android.graphics.Color)	4284314960 (0xFF5D7550)
YUV	105.6060, -12.6238, -11.0555
Hunter-Lab	39.5334, -13.5410, 12.7411

Details

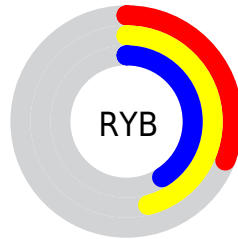
The RYB color **80, 117, 104** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **104, 80, 117**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **130, 169, 155**, and **35, 69, 58** is the 20% darker color. If you saturate the color by 10%, you get **68, 117, 100**, and if you desaturate by 10%, it is **92, 117, 108**.

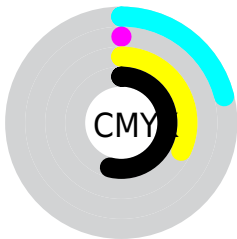
Distribution



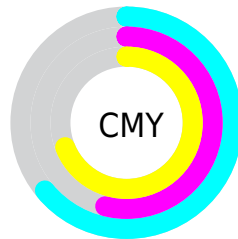
- Red (36%)
- Green (46%)
- Blue (31%)



- Red (31%)
- Yellow (46%)
- Blue (41%)



- Cyan (21%)
- Magenta (0%)
- Yellow (32%)
- Black (54%)



- Cyan (64%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 117, 104 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, 117, 104 by changing the saturation by 10% instead.

■ 80, 117, 104 ■ 80, 117, 104

255, 255, 255 ■ 57, 92, 80

■ 130, 169, 155 ■ 35, 69, 58

■ 156, 196, 181 ■ 14, 46, 36

■ 183, 224, 209 ■ 0, 27, 27

■ 210, 253, 237 ■ 0, 0, 0

■ 239, 255, 239

■ 80, 117, 104 ■ 80, 117, 104

■ 68, 117, 100 ■ 92, 117, 108

■ 57, 117, 96 ■ 103, 117, 112

■ 45, 117, 92

■ 115, 117, 116

■ 33, 117, 87

■ 123, 117, 127

■ 22, 117, 84

■ 131, 117, 139

■ 10, 117, 80

■ 139, 117, 150

■ 0, 117, 76

■ 146, 117, 162

■ 154, 117, 174

■ 161, 117, 185

Harmonies

Analogous

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



74, 115, 71



80, 117, 104



69, 102, 120

Triad

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



80, 117, 104



65, 96, 148



150, 95, 102

Complementary

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



80, 117, 104



104, 80, 117

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.



142, 96, 123



80, 117, 104



96, 106, 149

Square

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



80, 117, 104



42, 85, 137



124, 102, 140



147, 102, 84

Rectangle

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



80, 117, 104



53, 90, 121



124, 102, 140



149, 95, 109

Sweetspot

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



80, 117, 104



139, 153, 148



103, 117, 80



68, 77, 74



204, 204, 204



77, 77, 77

Same Dimension

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



80, 117, 104



95, 153, 133



80, 113, 117



53, 59, 57



0, 122, 79



0, 250, 162

Inverse Universe

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



104, 80, 117



133, 95, 153



117, 80, 112



57, 53, 59



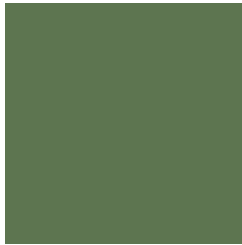
79, 0, 122



162, 0, 250

Previews

White Background



This preview shows how the RYB color 80, 117, 104 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, 117, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

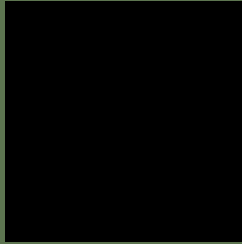
Any Text WCAG AA × Fail

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, 117, 104 Background



This preview shows how black text looks on a background with the R Y B color 80, 117, 104.



This preview shows how white text looks on a background with the R Y B color 80, 117, 104.

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, 117, 104

Protanopia

88, 119, 77

Deuteranopia

129, 125, 83



Tritanopia
99, 107, 121

Trichromacy



Original Color
80, 117, 104

Protanomaly
78, 113, 81

Deuteranomaly
91, 116, 82

Tritanomaly
97, 108, 114

Monochromacy



Original Color
80, 117, 104

Achromatopsia
106, 106, 106

Achromatomaly
97, 110, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 117, 104 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(93, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(93, 117, 80)  
}
```

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(93, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 117, 80) }
```

Border

The CSS property to change the border of an element to RYB 80, 117, 104 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(93, 117, 80) }
```

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

```
.border{ border-color:rgb(93, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(93, 117,  
80) }
```

Background

The CSS property to change the background color of an element to RYB 80, 117, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 117, 80) }
```

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

```
.background{ background-color: rgb(93, 117,  
80) }
```

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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