

Converting Colors

`RYB(80, 114, 100)`

Have a look what the booklet for
RYB(80, 114, 100) contains.

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Color

R_YB(80, 114, 100)

Conversions

Conversions Part 1

Format	Color
Hex	5E7250
RGB	94, 114, 80
RGB Percent	37%, 45%, 31%
CMY	0.6314, 0.5529, 0.6863
CMYK	0.18, 0.00, 0.30, 0.55
HSL	95°, 18%, 38%
HSV	95°, 30%, 45%
XYZ	12.0814, 14.9935, 9.8467
YIQ	104.1440, -1.0060, -14.8140

Conversions

Conversions Part 2

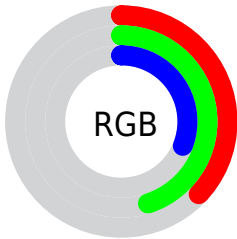
Format	Color
RYB	80, 114, 100
Decimal	6189648
CIELab	45.63, -14.23, 16.48
CIELCh	46, 21.771, 130.808
Yxy	14.9935, 0.3272, 0.4061
Android (android.graphics.Color)	4284379728 (0xFF5E7250)
YUV	104.1440, -11.9030, -8.8963
Hunter-Lab	38.7214, -12.0692, 12.0278

Details

The RYB color **80, 114, 100** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **100, 80, 114**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **129, 166, 150**, and **35, 66, 54** is the 20% darker color. If you saturate the color by 10%, you get **69, 114, 96**, and if you desaturate by 10%, it is **91, 114, 104**.

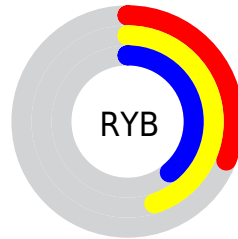
Distribution



Red (37%)

Green (45%)

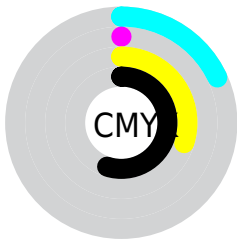
Blue (31%)



Red (31%)

Yellow (45%)

Blue (39%)

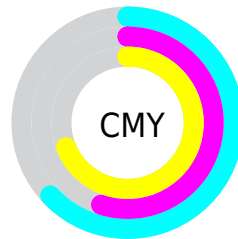


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (63%)

Magenta (55%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 114, 100 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, 114, 100 by changing the saturation by 10% instead.



80, 114, 100



80, 114, 100

255, 255, 255



57, 89, 76



129, 166, 150



35, 66, 54



156, 193, 177



14, 44, 32



182, 221, 204



0, 24, 24



210, 250, 233



0, 0, 0



238, 255, 238



80, 114, 100



80, 114, 100



69, 114, 96



91, 114, 104



57, 114, 90



103, 114, 110

■ 46, 114, 86

■ 114, 114, 114

■ 34, 114, 81

■ 121, 114, 126

■ 23, 114, 77

■ 128, 114, 137

■ 12, 114, 72

■ 134, 114, 148

■ 0, 114, 67

■ 141, 114, 160

■ 148, 114, 171

■ 154, 114, 183

Harmonies

Analogous

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



78, 114, 72



80, 114, 100



73, 102, 117

Triad

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



80, 114, 100



67, 96, 142



144, 94, 102

Complementary

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



80, 114, 100



100, 80, 114

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.



136, 96, 120



80, 114, 100



94, 104, 144

Square

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



80, 114, 100



50, 87, 131



119, 101, 136



142, 100, 85

Rectangle

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



80, 114, 100



60, 92, 118



119, 101, 136



143, 94, 108

Sweetspot

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



80, 114, 100



135, 148, 143



104, 114, 80



66, 74, 71



201, 201, 201



74, 74, 74

Same Dimension

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



80, 114, 100



95, 148, 126



80, 111, 114



50, 56, 53



0, 120, 71



0, 247, 145

Inverse Universe

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



100, 80, 114



126, 95, 148



114, 80, 111



54, 50, 56



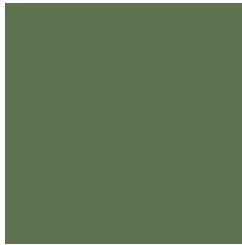
70, 0, 120



145, 0, 247

Previews

White Background



This preview shows how the RYB color 80, 114, 100 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, 114, 100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

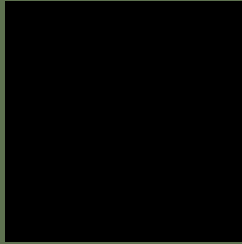
Any Text WCAG AA × Fail

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 80, 114, 100 Background



This preview shows how black text looks on a background with the RYB color 80, 114, 100.



This preview shows how white text looks on a background with the RYB color 80, 114, 100.

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, 114, 100

Protanopia

87, 116, 77

Deuteranopia

127, 121, 82



Tritanopia
100, 106, 118

Trichromacy



Original Color
80, 114, 100

Protanomaly
78, 110, 80

Deuteranomaly
91, 115, 81

Tritanomaly
98, 107, 111

Monochromacy



Original Color
80, 114, 100

Achromatopsia
104, 104, 104

Achromatomaly
95, 108, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 114, 100 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(94, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(94, 114, 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(94, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 114, 80) }
```

Border

The CSS property to change the border of an element to RYB 80, 114, 100 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(94, 114, 80) }
```

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

```
.border{ border-color:rgb(94, 114, 80) }
```

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

Here you see how a box with a 4 pixel rgb(94, 114, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(94, 114,  
80) }
```

Background

The CSS property to change the background color of an element to RYB 80, 114, 100 is called "background".

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

```
.background, #background, body{  
background: rgb(94, 114, 80) }
```

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

```
.background{ background-color: rgb(94, 114,  
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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