

Converting Colors

`RYB(84, 145, 112)`

Have a look what the booklet for
RYB(84, 145, 112) contains.

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Color

`RYB(84, 145, 112)`

Conversions

Conversions Part 1

Format	Color
Hex	759154
RGB	117, 145, 84
RGB Percent	46%, 57%, 33%
CMY	0.5412, 0.4314, 0.6706
CMYK	0.19, 0.00, 0.42, 0.43
HSL	88°, 27%, 45%
HSV	88°, 42%, 57%
XYZ	19.0618, 24.6728, 12.1452
YIQ	129.6740, 2.8930, -24.9070

Conversions

Conversions Part 2

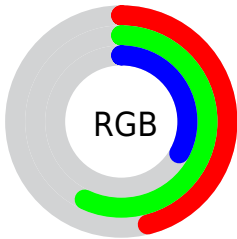
Format	Color
RYB	84, 145, 112
Decimal	7704916
CIELab	56.76, -20.93, 29.17
CIELCh	57, 35.898, 125.664
Yxy	24.6728, 0.3411, 0.4415
Android (android.graphics.Color)	4285894996 (0xFF759154)
YUV	129.6740, -22.5173, -11.1151
Hunter-Lab	49.6717, -18.4253, 20.2733

Details

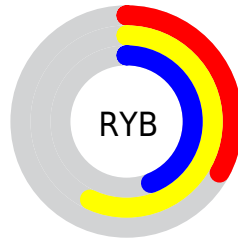
The RYB color **84, 145, 112** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **112, 84, 145**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **135, 199, 164**, and **37, 94, 64** is the 20% darker color. If you saturate the color by 10%, you get **70, 145, 105**, and if you desaturate by 10%, it is **98, 145, 119**.

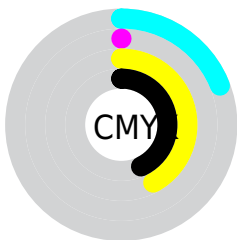
Distribution



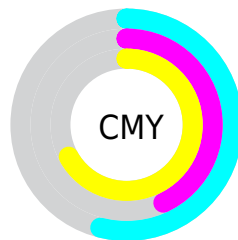
- Red (46%)
- Green (57%)
- Blue (33%)



- Red (33%)
- Yellow (57%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (42%)
- Black (43%)



- Cyan (54%)
- Magenta (43%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 145, 112 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 84, 145, 112 by changing the saturation by 10% instead.



84, 145, 112



84, 145, 112

255, 255, 255



60, 119, 87



135, 199, 164



37, 94, 64



161, 227, 190



14, 71, 42



188, 255, 217



0, 48, 26



216, 255, 216



0, 29, 29



245, 255, 245



0, 0, 0



84, 145, 112



84, 145, 112



70, 145, 105



98, 145, 119



55, 145, 96



113, 145, 128

■ 41, 145, 89

■ 127, 145, 135

■ 26, 145, 81

■ 142, 145, 143

■ 11, 145, 72

■ 150, 145, 157

■ 0, 145, 67

■ 157, 145, 171

■ 164, 145, 186

■ 170, 145, 200

■ 177, 145, 214

Harmonies

Analogous

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



90, 150, 73



84, 145, 112



77, 128, 150

Triad

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



84, 145, 112



25, 95, 192



195, 111, 131

Complementary

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



84, 145, 112



112, 84, 145

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.



180, 115, 163



84, 145, 112



98, 126, 198

Square

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



84, 145, 112



0, 80, 172



147, 126, 187



193, 118, 101

Rectangle

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



84, 145, 112



42, 103, 152



147, 126, 187



192, 111, 142

Sweetspot

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



84, 145, 112



164, 189, 176



145, 132, 84



79, 94, 86



222, 222, 222



94, 94, 94

Same Dimension

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



84, 145, 112



94, 189, 138



84, 145, 142



64, 71, 67



0, 135, 62



0, 8, 4

Inverse Universe

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



112, 84, 145



138, 94, 189



142, 84, 145



68, 64, 71



62, 0, 135



4, 0, 8

Previews

White Background



This preview shows how the RYB color 84, 145, 112 looks on a white 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

Black Background



This preview shows how the RYB color 84, 145, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

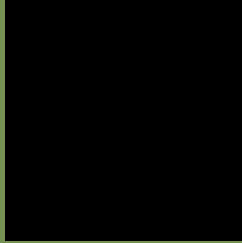
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 84, 145, 112 Background



This preview shows how black text looks on a background with the RYB color 84, 145, 112.



This preview shows how white text looks on a background with the RYB color 84, 145, 112.

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

84, 145, 112

Protanopia

97, 149, 81

Deuteranopia

150, 164, 88



Tritanopia
126, 133, 148

Trichromacy



Original Color
84, 145, 112

Protanomaly
82, 139, 84

Deuteranomaly
102, 147, 87

Tritanomaly
123, 138, 140

Monochromacy



Original Color
84, 145, 112

Achromatopsia
130, 130, 130

Achromatomaly
113, 135, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 145, 112 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(117, 145, 84)` looks like.

```
.text, #text, p{  
    color:rgb(117, 145, 84)  
}
```

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(117, 145, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 145, 84) }
```

Border

The CSS property to change the border of an element to RYB 84, 145, 112 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(117, 145, 84) }
```

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

```
.border{ border-color:rgb(117, 145, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 145, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 145, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 145, 84);  
box-shadow:4px 4px 4px 4px rgb(117, 145,  
84) }
```

Background

The CSS property to change the background color of an element to RYB 84, 145, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 145, 84) }
```

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

```
.background{ background-color: rgb(117,  
145, 84) }
```

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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