

Converting Colors

`RYB(81, 135, 112)`

Have a look what the booklet for
RYB(81, 135, 112) contains.

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Color

`RYB(81, 135, 112)`

Conversions

Conversions Part 1

Format	Color
Hex	688751
RGB	104, 135, 81
RGB Percent	41%, 53%, 32%
CMY	0.5922, 0.4706, 0.6824
CMYK	0.23, 0.00, 0.40, 0.47
HSL	94°, 25%, 42%
HSV	94°, 40%, 53%
XYZ	15.8581, 20.8651, 10.9761
YIQ	119.5750, -1.1420, -23.3660

Conversions

Conversions Part 2

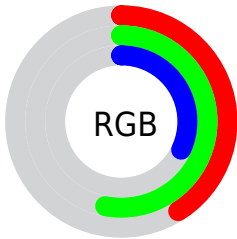
Format	Color
R_{YB}	81, 135, 112
Decimal	6850385
CIE _{Lab}	52.80, -21.30, 25.54
CIE _{LCh}	53, 33.258, 129.824
Yxy	20.8651, 0.3325, 0.4374
Android (android.graphics.Color)	4285040465 (0xFF688751)
YUV	119.5750, -19.0175, -13.6593
Hunter-Lab	45.6783, -17.9674, 17.7279

Details

The RYB color **81, 135, 112** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **112, 81, 135**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **131, 188, 163**, and **35, 85, 65** is the 20% darker color. If you saturate the color by 10%, you get **68, 135, 107**, and if you desaturate by 10%, it is **94, 135, 117**.

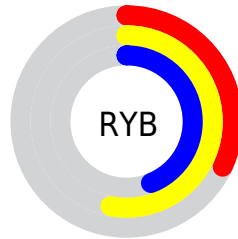
Distribution



Red (41%)

Green (53%)

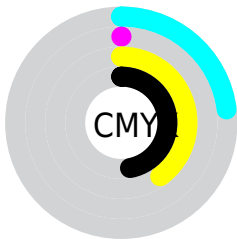
Blue (32%)



Red (32%)

Yellow (53%)

Blue (44%)

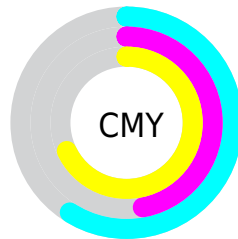


Cyan (23%)

Magenta (0%)

Yellow (40%)

Black (47%)



Cyan (59%)

Magenta (47%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 135, 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 81, 135, 112 by changing the saturation by 10% instead.



81, 135, 112



81, 135, 112

255, 255, 255



57, 110, 88



131, 188, 163



35, 85, 65



157, 216, 190



13, 62, 43



184, 245, 218



0, 39, 28



212, 255, 227



0, 17, 17



241, 255, 241



0, 0, 0



81, 135, 112



81, 135, 112



68, 135, 107



94, 135, 117



54, 135, 100



108, 135, 123

■ 41, 135, 95

■ 122, 135, 130

■ 27, 135, 89

■ 135, 135, 135

■ 13, 135, 83

■ 143, 135, 149

■ 0, 135, 77

■ 150, 135, 162

■ 158, 135, 176

■ 166, 135, 189

■ 174, 135, 203

Harmonies

Analogous

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



78, 135, 69



81, 135, 112



67, 115, 140

Triad

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



81, 135, 112



41, 97, 179



181, 103, 118

Complementary

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



81, 135, 112



112, 81, 135

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.



169, 106, 146



81, 135, 112



99, 119, 182

Square

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



81, 135, 112



0, 75, 162



141, 115, 170



177, 112, 91

Rectangle

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



81, 135, 112



34, 92, 141



141, 115, 170



179, 103, 127

Sweetspot

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



81, 135, 112



155, 176, 167



121, 135, 81



77, 89, 84



217, 217, 217



89, 89, 89

Same Dimension

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



81, 135, 112



91, 176, 140



81, 131, 135



60, 66, 64



0, 130, 75



0, 3, 2

Inverse Universe

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



112, 81, 135



140, 91, 176



135, 81, 131



63, 60, 66



75, 0, 130



1, 0, 3

Previews

White Background



This preview shows how the RYB color 81, 135, 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 81, 135, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

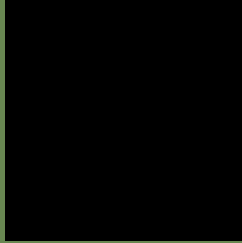
Any Text WCAG AA ✓ Pass

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 81, 135, 112 Background



This preview shows how black text looks on a background with the RYB color 81, 135, 112.



This preview shows how white text looks on a background with the RYB color 81, 135, 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
81, 135, 112

Protanopia
90, 137, 77

Deuteranopia
142, 151, 84



Tritanopia
113, 122, 138

Trichromacy



Original Color
81, 135, 112

Protanomaly
78, 129, 82

Deuteranomaly
94, 134, 83

Tritanomaly
110, 126, 131

Monochromacy



Original Color
81, 135, 112

Achromatopsia
120, 120, 120

Achromatomaly
106, 125, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 135, 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(104, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 81)  
}
```

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(104, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 135, 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(104, 135, 81) }
```

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

```
.border{ border-color:rgb(104, 135, 81) }
```

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

Here you see how a box with a 4 pixel rgb(104, 135, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(104, 135,  
81) }
```

Background

The CSS property to change the background color of an element to RYB 81, 135, 112 is called "background".

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

```
.background, #background, body{  
background: rgb(104, 135, 81) }
```

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

```
.background{ background-color: rgb(104,  
135, 81) }
```

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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