

Converting Colors

`RYB(105, 140, 112)`

Have a look what the booklet for
RYB(105, 140, 112) contains.

RYB(105, 140, 112)	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(105, 140, 112)

Conversions

Conversions Part 1

Format	Color
Hex	858C69
RGB	133, 140, 105
RGB Percent	52%, 55%, 41%
CMY	0.4784, 0.4510, 0.5882
CMYK	0.05, 0.00, 0.25, 0.45
HSL	72°, 14%, 48%
HSV	72°, 25%, 55%
XYZ	21.6008, 24.7626, 17.0058
YIQ	133.9170, 7.0630, -12.3690

Conversions

Conversions Part 2

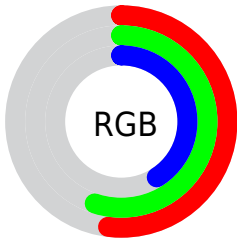
Format	Color
RYB	105, 140, 112
Decimal	8752233
CIELab	56.84, -8.85, 17.89
CIELCh	57, 19.957, 116.336
Yxy	24.7626, 0.3409, 0.3908
Android (android.graphics.Color)	4286942313 (0xFF858C69)
YUV	133.9170, -14.2561, -0.8042
Hunter-Lab	49.7621, -9.6002, 14.5716

Details

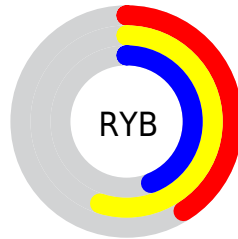
The RYB color **105, 140, 112** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **112, 105, 140**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **156, 194, 164**, and **58, 90, 65** is the 20% darker color. If you saturate the color by 10%, you get **91, 140, 101**, and if you desaturate by 10%, it is **119, 140, 123**.

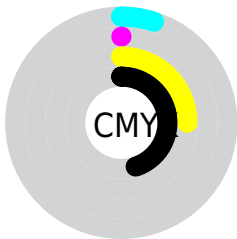
Distribution



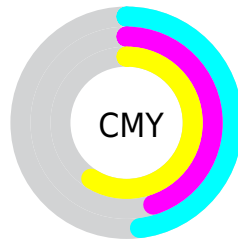
- Red (52%)
- Green (55%)
- Blue (41%)



- Red (41%)
- Yellow (55%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)



- Cyan (48%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 140, 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 105, 140, 112 by changing the saturation by 10% instead.

 105, 140, 112

255, 255, 255

 156, 194, 164

 183, 221, 190

 211, 250, 218

 239, 255, 239

 105, 140, 112

 81, 115, 88

 58, 90, 65


 36, 67, 43

 15, 44, 22

 0, 24, 9

 0, 0, 0

 105, 140, 112

 91, 140, 101

 77, 140, 90

 105, 140, 112

 119, 140, 123

 133, 140, 134

■ 63, 140, 78

■ 141, 140, 147

■ 49, 140, 67

■ 144, 140, 161

■ 35, 140, 56

■ 147, 140, 175

■ 21, 140, 45

■ 150, 140, 189

■ 7, 140, 34

■ 153, 140, 203

■ 0, 140, 28

■ 155, 140, 217

■ 158, 140, 231

Harmonies

Analogous

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



128, 151, 102



105, 140, 112



113, 140, 144

Triad

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



105, 140, 112



93, 123, 165



169, 124, 139

Complementary

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



105, 140, 112



112, 105, 140

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.



157, 127, 156



105, 140, 112



113, 131, 171

Square

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



105, 140, 112



86, 117, 151



136, 133, 167



172, 125, 122

Rectangle

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



105, 140, 112



101, 129, 146



136, 133, 167



166, 125, 145

Sweetspot

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



105, 140, 112



167, 181, 170



140, 114, 105



83, 92, 85



219, 219, 219



92, 92, 92

Same Dimension

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



105, 140, 112



127, 181, 138



105, 140, 129



62, 69, 64



0, 133, 27



0, 5, 1

Inverse Universe

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



112, 105, 140



138, 127, 181



130, 105, 140



63, 62, 69



27, 0, 133



1, 0, 5

Previews

White Background



This preview shows how the RYB color 105, 140, 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 105, 140, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

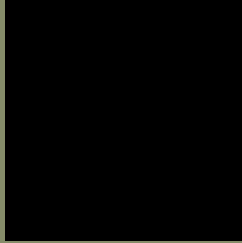
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

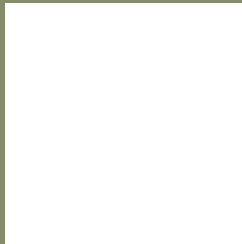
Any Text WCAG AAA × Fail

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

RYB 105, 140, 112 Background



This preview shows how black text looks on a background with the RYB color 105, 140, 112.



This preview shows how white text looks on a background with the RYB color 105, 140, 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

105, 140, 112

Protanopia

116, 146, 103

Deuteranopia

159, 152, 107



Tritanopia
138, 135, 145

Trichromacy



Original Color

105, 140, 112

Protanomaly

108, 141, 104

Deuteranomaly

131, 150, 106

Tritanomaly

130, 137, 131

Monochromacy



Original Color

105, 140, 112

Achromatopsia

134, 134, 134

Achromatomaly

123, 136, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 140, 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(133, 140, 105)` looks like.

```
.text, #text, p{  
    color:rgb(133, 140, 105)  
}
```

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(133, 140, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 140, 105) }
```

Border

The CSS property to change the border of an element to RYB 105, 140, 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(133, 140, 105) }
```

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

```
.border{ border-color:rgb(133, 140, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 140, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 140, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 140, 105);  
box-shadow:4px 4px 4px 4px rgb(133, 140,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 105, 140, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 140, 105) }
```

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

```
.background{ background-color: rgb(133,  
140, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor