

Converting Colors

`RYB(109, 132, 110)`

Have a look what the booklet for
RYB(109, 132, 110) contains.

RYB(109, 132, 110)	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(109, 132, 110)

Conversions

Conversions Part 1

Format	Color
Hex	83846D
RGB	131, 132, 109
RGB Percent	51%, 52%, 43%
CMY	0.4863, 0.4824, 0.5725
CMYK	0.01, 0.00, 0.17, 0.48
HSL	63°, 10%, 47%
HSV	63°, 17%, 52%
XYZ	20.3717, 22.4319, 17.7241
YIQ	129.0790, 6.7870, -7.3650

Conversions

Conversions Part 2

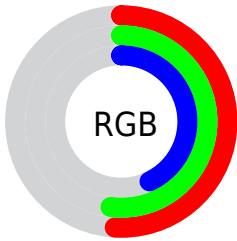
Format	Color
RYB	109, 132, 110
Decimal	8619117
CIELab	54.48, -4.58, 12.32
CIELCh	54, 13.142, 110.383
Yxy	22.4319, 0.3366, 0.3706
Android (android.graphics.Color)	4286809197 (0xFF83846D)
YUV	129.0790, -9.8989, 1.6847
Hunter-Lab	47.3624, -6.1072, 10.9660

Details

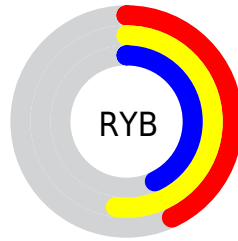
The RYB color **109, 132, 110** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **110, 109, 132**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **161, 185, 162**, and **61, 83, 63** is the 20% darker color. If you saturate the color by 10%, you get **96, 132, 98**, and if you desaturate by 10%, it is **122, 132, 122**.

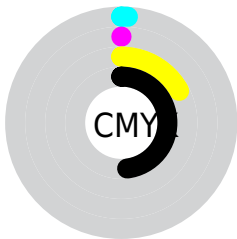
Distribution



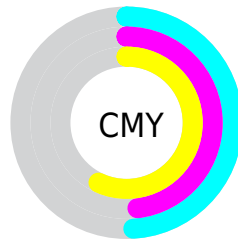
- Red (51%)
- Green (52%)
- Blue (43%)



- Red (43%)
- Yellow (52%)
- Blue (43%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the RYB color 109, 132, 110 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 109, 132, 110 by changing the saturation by 10% instead.

 109, 132, 110

255, 255, 255


 161, 185, 162


 188, 213, 189

 215, 241, 216

 244, 255, 244

 109, 132, 110

 85, 107, 86

 61, 83, 63

 39, 60, 41

 19, 38, 21

 0, 17, 4


 0, 0, 0

 109, 132, 110

 96, 132, 98

 83, 132, 85

 109, 132, 110

 122, 132, 122

 132, 132, 135

■ 69, 132, 72

■ 133, 132, 149

■ 56, 132, 59

■ 133, 132, 162

■ 43, 132, 47

■ 134, 132, 175

■ 30, 132, 34

■ 134, 132, 188

■ 17, 132, 22

■ 135, 132, 201

■ 3, 132, 9

■ 136, 132, 215

■ 0, 132, 6

■ 136, 132, 228

Harmonies

Analogous

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



134, 143, 108



109, 132, 110



116, 135, 133

Triad

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



109, 132, 110



103, 122, 147



151, 123, 134

Complementary

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



109, 132, 110



110, 109, 132

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, 125, 145



109, 132, 110



113, 126, 152

Square

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



109, 132, 110



101, 119, 138



128, 129, 151



154, 123, 123

Rectangle

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



109, 132, 110



110, 128, 136



128, 129, 151



149, 123, 138

Sweetspot

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



109, 132, 110



162, 171, 163



132, 110, 109



81, 87, 82



214, 214, 214



87, 87, 87

Same Dimension

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



109, 132, 110



135, 171, 137



109, 132, 121



60, 66, 60



0, 130, 6



0, 3, 1

Inverse Universe

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



110, 109, 132



137, 135, 171



121, 109, 132



60, 60, 66



6, 0, 130



0, 0, 3

Previews

White Background



This preview shows how the RYB color 109, 132, 110 looks on a white background.

Color Contrast Check

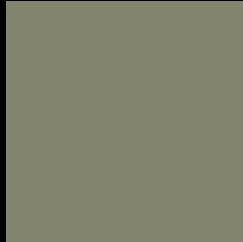
Large Text (above 18pt) WCAG AA ✓ Pass

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 109, 132, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

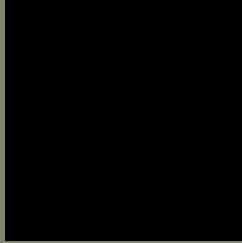
Any Text WCAG AA ✓ Pass

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](#).

R Y B 109, 132, 110 Background



This preview shows how black text looks on a background with the RYB color 109, 132, 110.



This preview shows how white text looks on a background with the RYB color 109, 132, 110.

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
109, 132, 110

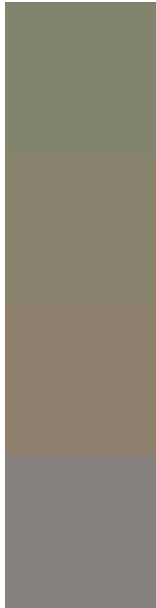
Protanopia
119, 138, 108

Deuteranopia
150, 134, 110



Tritanopia
135, 128, 138

Trichromacy



Original Color

109, 132, 110

Protanomaly

113, 135, 108

Deuteranomaly

138, 143, 110

Tritanomaly

134, 130, 127

Monochromacy



Original Color

109, 132, 110

Achromatopsia

129, 129, 129

Achromatomaly

122, 130, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 132, 110 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(131, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(131, 132, 109)  
}
```

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(131, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 109) }
```

Border

The CSS property to change the border of an element to RYB 109, 132, 110 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(131, 132, 109) }
```

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

```
.border{ border-color:rgb(131, 132, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 132, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 109, 132, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 109) }
```

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

```
.background{ background-color: rgb(131,  
132, 109) }
```

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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