

Converting Colors

`RYB(111, 159, 111)`

Have a look what the booklet for
RYB(111, 159, 111) contains.

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Color

$\text{RYB}(111, 159, 111)$

Conversions

Conversions Part 1

Format	Color
Hex	9F9F6F
RGB	159, 159, 111
RGB Percent	62%, 62%, 44%
CMY	0.3765, 0.3765, 0.5647
CMYK	0.00, 0.00, 0.30, 0.38
HSL	60°, 20%, 53%
HSV	60°, 30%, 62%
XYZ	29.5655, 33.3149, 19.9111
YIQ	153.5280, 15.4080, -14.9280

Conversions

Conversions Part 2

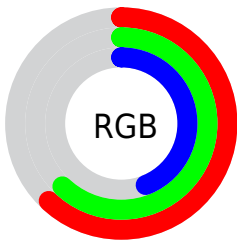
Format	Color
RYB	111, 159, 111
Decimal	10461039
CIELab	64.42, -7.84, 25.13
CIELCh	64, 26.320, 107.321
Yxy	33.3149, 0.3571, 0.4024
Android (android.graphics.Color)	4288651119 (0xFF9F9F6F)
YUV	153.5280, -20.9663, 4.7989
Hunter-Lab	57.7191, -9.5752, 19.9503

Details

The RYB color **111, 159, 111** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **111, 111, 159**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **163, 214, 163**, and **63, 108, 64** is the 20% darker color. If you saturate the color by 10%, you get **95, 159, 95**, and if you desaturate by 10%, it is **127, 159, 127**.

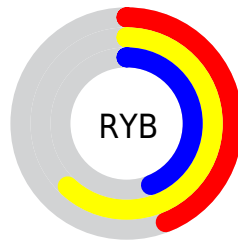
Distribution



Red (62%)

Green (62%)

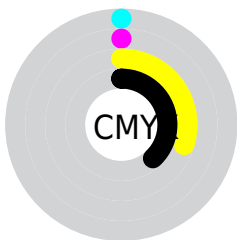
Blue (44%)



Red (44%)

Yellow (62%)

Blue (44%)

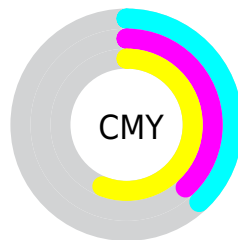


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (38%)



Cyan (38%)


Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 159, 111 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 111, 159, 111 by changing the saturation by 10% instead.

 111, 159, 111


255, 255, 255

 163, 214, 163

 191, 243, 190

 218, 255, 218

 247, 255, 247

 111, 159, 111


 86, 133, 87

 63, 108, 64


 40, 84, 42

 18, 60, 20


 0, 39, 2

 0, 19, 15

 0, 0, 0

 111, 159, 111

 95, 159, 95

 111, 159, 111

 127, 159, 127

■ 79, 159, 79

■ 143, 159, 143

■ 63, 159, 63

■ 159, 159, 159

■ 47, 159, 47

■ 159, 159, 175

■ 31, 159, 31

■ 159, 159, 191

■ 16, 159, 16

■ 159, 159, 206

■ 0, 159, 0

■ 159, 159, 222

■ 159, 159, 238

■ 159, 159, 254

Harmonies

Analogous

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



166, 182, 111



111, 159, 111



124, 165, 157

Triad

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



111, 159, 111



87, 132, 190



196, 140, 167

Complementary

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



111, 159, 111



111, 111, 159

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.



176, 146, 188



111, 159, 111



112, 144, 201

Square

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



111, 159, 111



86, 128, 169



146, 153, 201



204, 139, 143

Rectangle

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



111, 159, 111



114, 152, 168



146, 153, 201



191, 141, 175

Sweetspot

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



111, 159, 111



188, 207, 188



159, 111, 111



93, 105, 93



232, 232, 232



105, 105, 105

Same Dimension

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



111, 159, 111



132, 207, 132



111, 159, 135



71, 79, 71



0, 143, 0



0, 15, 0

Inverse Universe

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



111, 111, 159



132, 132, 207



135, 111, 159



71, 71, 79



0, 0, 143



0, 0, 15

Previews

White Background



This preview shows how the RYB color 111, 159, 111 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 111, 159, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

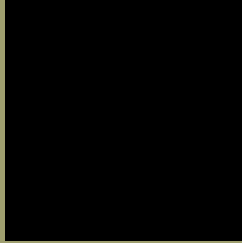
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

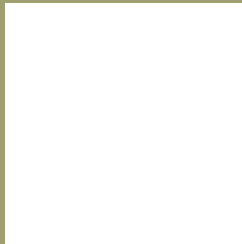
Any Text WCAG AAA ✓ Pass

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

RYB 111, 159, 111 Background



This preview shows how black text looks on a background with the RYB color 111, 159, 111.



This preview shows how white text looks on a background with the RYB color 111, 159, 111.

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


111, 159, 111

Protanopia

125, 168, 110

Deuteranopia

181, 185, 113



Tritanopia
166, 152, 164

Trichromacy



Original Color
111, 159, 111

Protanomaly
119, 165, 110

Deuteranomaly
148, 176, 112

Tritanomaly
159, 163, 145

Monochromacy



Original Color
111, 159, 111

Achromatopsia
154, 154, 154

Achromatomaly
138, 156, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 159, 111 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(159, 159, 111)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 111)  
}
```

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(159, 159, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 159, 111 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(159, 159, 111) }
```

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

```
.border{ border-color:rgb(159, 159, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 111);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 159, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 111) }
```

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

```
.background{ background-color: rgb(159,  
159, 111) }
```

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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