

Converting Colors

`RYB(89, 171, 109)`

Have a look what the booklet for
RYB(89, 171, 109) contains.

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Color

R_YB(89, 171, 109)

Conversions

Conversions Part 1

Format	Color
Hex	97AB59
RGB	151, 171, 89
RGB Percent	59%, 67%, 35%
CMY	0.4078, 0.3294, 0.6510
CMYK	0.12, 0.00, 0.48, 0.33
HSL	75°, 33%, 51%
HSV	75°, 48%, 67%
XYZ	29.1286, 36.4264, 14.9470
YIQ	155.6720, 14.4020, -29.7420

Conversions

Conversions Part 2

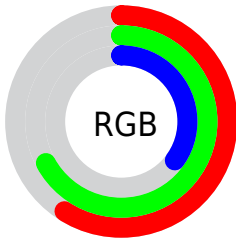
Format	Color
RYB	89, 171, 109
Decimal	9939801
CIELab	66.84, -19.98, 39.66
CIELCh	67, 44.414, 116.741
Yxy	36.4264, 0.3618, 0.4525
Android (android.graphics.Color)	4288129881 (0xFF97AB59)
YUV	155.6720, -32.8693, -4.0973
Hunter-Lab	60.3543, -19.4712, 27.5646

Details

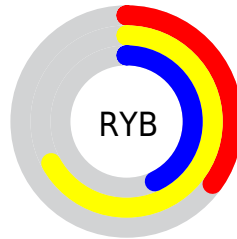
The RYB color **89, 171, 109** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **109, 89, 171**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **141, 226, 160**, and **40, 119, 61** is the 20% darker color. If you saturate the color by 10%, you get **72, 171, 96**, and if you desaturate by 10%, it is **106, 171, 122**.

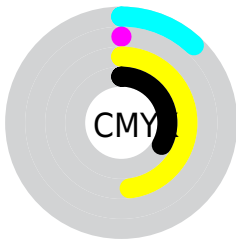
Distribution



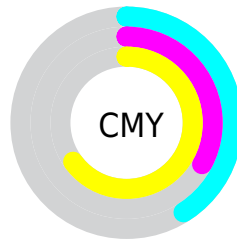
- Red (59%)
- Green (67%)
- Blue (35%)



- Red (35%)
- Yellow (67%)
- Blue (43%)



- Cyan (12%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 171, 109 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 89, 171, 109 by changing the saturation by 10% instead.



89, 171, 109



89, 171, 109

255, 255, 255



64, 144, 84



141, 226, 160



40, 119, 61



168, 255, 188



13, 94, 34



195, 255, 195



0, 70, 21



224, 255, 224



0, 48, 24



252, 255, 252



0, 29, 29



0, 0, 0



89, 171, 109



89, 171, 109



72, 171, 96



106, 171, 122

■ 55, 171, 83

■ 123, 171, 135

■ 38, 171, 71

■ 140, 171, 147

■ 21, 171, 58

■ 157, 171, 160

■ 4, 171, 45

■ 172, 171, 174

■ 0, 171, 42

■ 176, 171, 192

■ 180, 171, 209

■ 184, 171, 226

■ 189, 171, 243

Harmonies

Analogous

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



126, 191, 81



89, 171, 109



102, 166, 179

Triad

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



89, 171, 109



0, 100, 229



234, 130, 169

Complementary

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



89, 171, 109



109, 89, 171

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.



208, 139, 207



89, 171, 109



86, 140, 242

Square

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



89, 171, 109



0, 95, 197



159, 154, 234



238, 133, 129

Rectangle

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



89, 171, 109



59, 132, 182



159, 154, 234



228, 132, 182

Sweetspot

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



89, 171, 109



191, 222, 199



171, 114, 89



93, 112, 97



240, 240, 240



112, 112, 112

Same Dimension

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



89, 171, 109



93, 222, 125



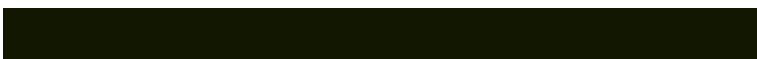
89, 171, 149



78, 87, 80



0, 150, 36



0, 23, 6

Inverse Universe

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



109, 89, 171



125, 93, 222



149, 89, 171



80, 78, 87



37, 0, 150



6, 0, 23

Previews

White Background



This preview shows how the RYB color 89, 171, 109 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 89, 171, 109 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](#).

R Y B 89, 171, 109 Background



This preview shows how black text looks on a background with the R Y B color 89, 171, 109.



This preview shows how white text looks on a background with the R Y B color 89, 171, 109.

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
89, 171, 109

Protanopia
107, 179, 86

Deuteranopia
166, 198, 93



Tritanopia

161, 161, 174

Trichromacy



Original Color
89, 171, 109

Protanomaly
91, 169, 87

Deuteranomaly
118, 181, 92

Tritanomaly
143, 165, 151

Monochromacy



Original Color
89, 171, 109

Achromatopsia
156, 156, 156

Achromatomaly
132, 161, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 171, 109 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(151, 171, 89)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 89)  
}
```

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(151, 171, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 89) }
```

Border

The CSS property to change the border of an element to RYB 89, 171, 109 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(151, 171, 89) }
```

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

```
.border{ border-color:rgb(151, 171, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 171, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 89);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
89) }
```

Background

The CSS property to change the background color of an element to RGB 89, 171, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 171, 89) }
```

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

```
.background{ background-color: rgb(151,  
171, 89) }
```

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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