

Converting Colors

`RYB(90, 158, 117)`

Have a look what the booklet for
RYB(90, 158, 117) contains.

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Color

R_YB(90, 158, 117)

Conversions

Conversions Part 1

Format	Color
Hex	839E5A
RGB	131, 158, 90
RGB Percent	51%, 62%, 35%
CMY	0.4863, 0.3804, 0.6471
CMYK	0.17, 0.00, 0.43, 0.38
HSL	84°, 27%, 49%
HSV	84°, 43%, 62%
XYZ	23.4324, 30.0172, 14.2317
YIQ	142.1750, 5.7360, -26.8720

Conversions

Conversions Part 2

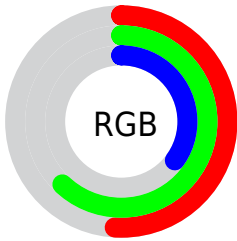
Format	Color
RYB	90, 158, 117
Decimal	8625754
CIELab	61.67, -21.26, 32.41
CIELCh	62, 38.764, 123.264
Yxy	30.0172, 0.3462, 0.4435
Android (android.graphics.Color)	4286815834 (0xFF839E5A)
YUV	142.1750, -25.7223, -9.8005
Hunter-Lab	54.7880, -19.5358, 22.9504

Details

The RYB color **90, 158, 117** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **117, 90, 158**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **141, 213, 169**, and **42, 107, 69** is the 20% darker color. If you saturate the color by 10%, you get **74, 158, 107**, and if you desaturate by 10%, it is **106, 158, 127**.

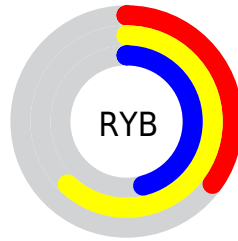
Distribution



Red (51%)

Green (62%)

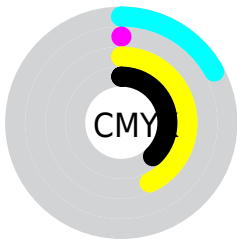
Blue (35%)



Red (35%)

Yellow (62%)

Blue (46%)

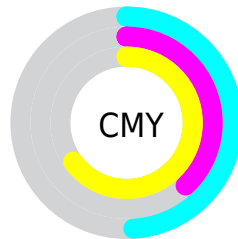


Cyan (17%)

Magenta (0%)

Yellow (43%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 158, 117 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 90, 158, 117 by changing the saturation by 10% instead.



90, 158, 117



90, 158, 117

255, 255, 255



66, 132, 93



141, 213, 169



42, 107, 69



168, 241, 196



18, 82, 44



195, 255, 208



0, 59, 26



224, 255, 224



0, 37, 30



252, 255, 252



0, 11, 11



0, 0, 0



90, 158, 117



90, 158, 117



74, 158, 107



106, 158, 127

■ 58, 158, 98

■ 122, 158, 136

■ 43, 158, 89

■ 137, 158, 145

■ 27, 158, 79

■ 153, 158, 155

■ 11, 158, 69

■ 162, 158, 169

■ 0, 158, 63

■ 169, 158, 185

■ 175, 158, 201

■ 181, 158, 216

■ 187, 158, 232

Harmonies

Analogous

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



103, 167, 79



90, 158, 117



88, 143, 164

Triad

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



90, 158, 117



4, 93, 209



213, 121, 146

Complementary

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



90, 158, 117



117, 90, 158

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.



195, 127, 180



90, 158, 117



102, 136, 217

Square

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



90, 158, 117



0, 87, 185



157, 139, 206



212, 127, 113

Rectangle

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



90, 158, 117



51, 116, 166



157, 139, 206



209, 122, 158

Sweetspot

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



90, 158, 117



180, 207, 191



158, 132, 90



88, 105, 95



232, 232, 232



105, 105, 105

Same Dimension

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



90, 158, 117



99, 207, 142



90, 158, 150



71, 79, 74



0, 143, 57



0, 15, 6

Inverse Universe

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



117, 90, 158



142, 99, 207



150, 90, 158



74, 71, 79



57, 0, 143



6, 0, 15

Previews

White Background



This preview shows how the RYB color 90, 158, 117 looks on a white background.

Color Contrast Check

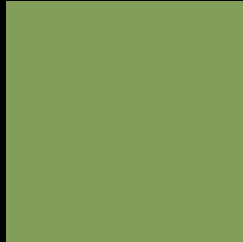
Large Text (above 18pt) WCAG AA ✓ Pass

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 90, 158, 117 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 90, 158, 117 Background



This preview shows how black text looks on a background with the RYB color 90, 158, 117.



This preview shows how white text looks on a background with the RYB color 90, 158, 117.

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

90, 158, 117

Protanopia

104, 163, 87

Deuteranopia

160, 179, 94



Tritanopia

141, 147, 162

Trichromacy



Original Color
90, 158, 117

Protanomaly
88, 152, 89

Deuteranomaly
111, 162, 93

Tritanomaly
136, 153, 152

Monochromacy



Original Color
90, 158, 117

Achromatopsia
142, 142, 142

Achromatomaly
123, 148, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 158, 117 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, 158, 90)` looks like.

```
.text, #text, p{  
    color:rgb(131, 158, 90)  
}
```

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, 158, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 158, 90) }
```

Border

The CSS property to change the border of an element to RYB 90, 158, 117 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, 158, 90) }
```

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

```
.border{ border-color:rgb(131, 158, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 158, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 158, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 158, 90);  
box-shadow:4px 4px 4px 4px rgb(131, 158,  
90) }
```

Background

The CSS property to change the background color of an element to RYB 90, 158, 117 is called "background".

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

```
.background, #background, body{  
background: rgb(131, 158, 90) }
```

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

```
.background{ background-color: rgb(131,  
158, 90) }
```

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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