

Converting Colors

`RYB(138, 175, 116)`

Have a look what the booklet for
RYB(138, 175, 116) contains.

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Color

R_YB(138, 175, 116)

Conversions

Conversions Part 1

Format	Color
Hex	AF9F74
RGB	175, 159, 116
RGB Percent	69%, 62%, 45%
CMY	0.3137, 0.3766, 0.5451
CMYK	0.00, 0.09, 0.34, 0.31
HSL	44°, 27%, 57%
HSV	44°, 34%, 69%
XYZ	33.2255, 35.1627, 21.5589
YIQ	158.8820, 23.3390, -9.9810

Conversions

Conversions Part 2

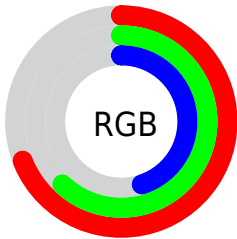
Format	Color
RYB	138, 175, 116
Decimal	11509620
CIELab	65.88, -0.69, 24.59
CIELCh	66, 24.604, 91.607
Yxy	35.1627, 0.3694, 0.3909
Android (android.graphics.Color)	4289699700 (0xFFAF9F74)
YUV	158.8820, -21.1408, 14.1355
Hunter-Lab	59.2981, -3.7560, 19.9528

Details

The RYB color **138, 175, 116** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **116, 129, 175**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **191, 231, 168**, and **86, 122, 67** is the 20% darker color. If you saturate the color by 10%, you get **127, 175, 98**, and if you desaturate by 10%, it is **149, 175, 134**.

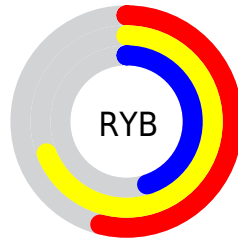
Distribution



Red (69%)

Green (62%)

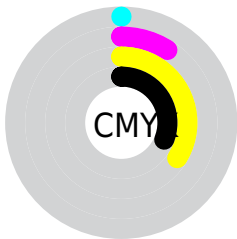
Blue (45%)



Red (54%)

Yellow (69%)

Blue (45%)

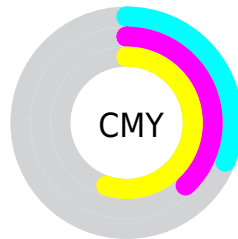


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 175, 116 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 138, 175, 116 by changing the saturation by 10% instead.

 138, 175, 116

255, 255, 255


 191, 231, 168

 213, 255, 196


 224, 255, 224

 252, 255, 252


 138, 175, 116

 111, 148, 91

 86, 122, 67

 60, 96, 44

 36, 71, 23

 11, 48, 0

 8, 25, 0

 0, 0, 0

 138, 175, 116

 127, 175, 98

 138, 175, 116

 149, 175, 134

■ 117, 175, 81

■ 161, 175, 151

■ 105, 175, 64

■ 172, 175, 169

■ 94, 175, 46

■ 175, 177, 186

■ 83, 175, 28

■ 175, 181, 203

■ 73, 175, 11

■ 175, 185, 221

■ 66, 175, 0

■ 175, 188, 238

■ 175, 192, 255

■ 175, 195, 255

Harmonies

Analogous

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



194, 173, 122



138, 175, 116



122, 166, 137

Triad

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



138, 175, 116



94, 135, 182



189, 147, 181

Complementary

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



138, 175, 116



116, 129, 175

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.



165, 154, 198



138, 175, 116



106, 143, 198

Square

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



138, 175, 116



104, 141, 172



134, 154, 204



203, 144, 160

Rectangle

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



138, 175, 116



132, 169, 167



134, 154, 204



182, 149, 188

Sweetspot

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



138, 175, 116



212, 227, 204



175, 116, 133



107, 115, 101



242, 242, 242



115, 115, 115

Same Dimension

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



138, 175, 116



170, 227, 136



116, 175, 129



83, 87, 78



55, 150, 0



8, 23, 0

Inverse Universe

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



116, 129, 175



136, 156, 227



129, 116, 175



78, 80, 87



0, 32, 150



0, 5, 23

Previews

White Background



This preview shows how the RYB color 138, 175, 116 looks on a white background.

Color Contrast Check

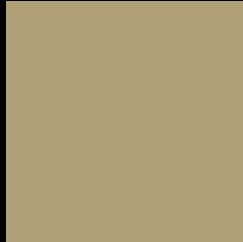
Large Text (above 18pt) WCAG AA × Fail

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 138, 175, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

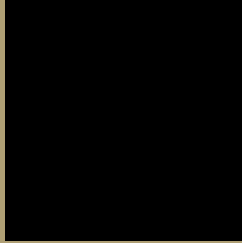
Any Text WCAG AA ✓ Pass

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 138, 175, 116 Background



This preview shows how black text looks on a background with the RYB color 138, 175, 116.



This preview shows how white text looks on a background with the RYB color 138, 175, 116.

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


138, 175, 116

Protanopia

131, 172, 116

Deuteranopia

189, 189, 117



Tritanopia
180, 153, 165

Trichromacy



Original Color
138, 175, 116

Protanomaly
133, 173, 116

Deuteranomaly
168, 184, 117

Tritanomaly
178, 158, 147

Monochromacy



Original Color
138, 175, 116

Achromatopsia
159, 159, 159

Achromatomaly
151, 165, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 175, 116 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(175, 159, 116)` looks like.

```
.text, #text, p{  
    color:rgb(175, 159, 116)  
}
```

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(175, 159, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 159, 116) }
```

Border

The CSS property to change the border of an element to RYB 138, 175, 116 is called "border". The border property can be set on classes, ids or directly on the HTML element.

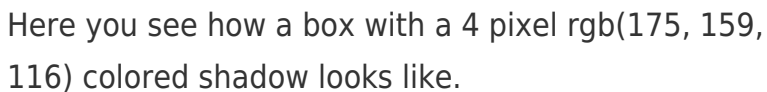
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 159, 116) }
```

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

```
.border{ border-color:rgb(175, 159, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 159, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 159, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 159, 116); box-shadow:4px 4px 4px 4px rgb(175, 159, 116) }
```

Background

The CSS property to change the background color of an element to RYB 138, 175, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 159, 116) }
```

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

```
.background{ background-color: rgb(175,  
159, 116) }
```

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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