

Converting Colors

`RYB(115, 175, 136)`

Have a look what the booklet for
RYB(115, 175, 136) contains.

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Color

R_YB(115, 175, 136)

Conversions

Conversions Part 1

Format	Color
Hex	9AAF73
RGB	154, 175, 115
RGB Percent	60%, 69%, 45%
CMY	0.3961, 0.3137, 0.5490
CMYK	0.12, 0.00, 0.34, 0.31
HSL	81°, 27%, 57%
HSV	81°, 34%, 69%
XYZ	31.7509, 38.7678, 22.0291
YIQ	161.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

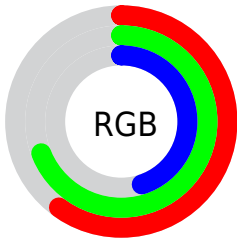
Format	Color
RYB	115, 175, 136
Decimal	10137459
CIELab	68.58, -17.65, 28.42
CIElCh	69, 33.456, 121.841
Yxy	38.7678, 0.3431, 0.4189
Android (android.graphics.Color)	4288327539 (0xFF9AAF73)
YUV	161.8810, -23.1123, -6.9116
Hunter-Lab	62.2638, -17.9370, 22.6076

Details

The RYB color **115, 175, 136** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **136, 115, 175**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **168, 231, 190**, and **66, 123, 87** is the 20% darker color. If you saturate the color by 10%, you get **98, 175, 125**, and if you desaturate by 10%, it is **133, 175, 148**.

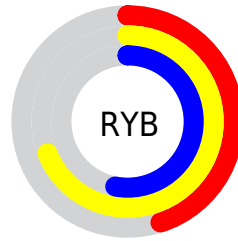
Distribution



Red (60%)

Green (69%)

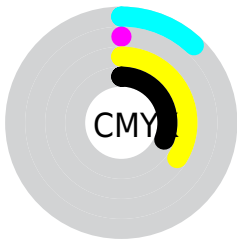
Blue (45%)



Red (45%)

Yellow (69%)

Blue (53%)

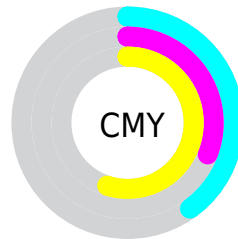


Cyan (12%)

Magenta (0%)

Yellow (34%)

Black (31%)



Cyan (40%)

Magenta (31%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 115, 175, 136 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 115, 175, 136 by changing the saturation by 10% instead.

 115, 175, 136

255, 255, 255


 168, 231, 190

 195, 255, 212


 223, 255, 223


 252, 255, 252

 115, 175, 136

 90, 148, 110

 66, 123, 87

 43, 98, 64


 20, 74, 41

 0, 51, 20

 0, 30, 28

 0, 0, 0

 115, 175, 136

 98, 175, 125

 115, 175, 136

 133, 175, 148

■ 80, 175, 113

■ 150, 175, 159

■ 63, 175, 102

■ 168, 175, 171

■ 45, 175, 90

■ 179, 175, 185

■ 28, 175, 80

■ 185, 175, 203

■ 10, 175, 68

■ 191, 175, 220

■ 0, 175, 61

■ 197, 175, 238

■ 203, 175, 255

■ 209, 175, 255

Harmonies

Analogous

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



133, 186, 106



115, 175, 136



118, 166, 181

Triad

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



115, 175, 136



82, 139, 220



225, 144, 167

Complementary

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



115, 175, 136



136, 115, 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.



207, 149, 196



115, 175, 136



129, 158, 227

Square

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



115, 175, 136



59, 125, 198



174, 159, 219



226, 148, 137

Rectangle

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



115, 175, 136



94, 146, 183



174, 159, 219



221, 145, 177

Sweetspot

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



115, 175, 136



204, 227, 212



175, 147, 115



101, 115, 106



242, 242, 242



115, 115, 115

Same Dimension

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



115, 175, 136



134, 227, 167



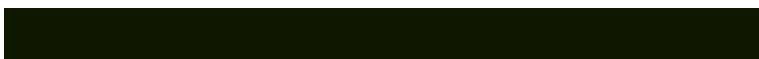
115, 175, 166



78, 87, 81



0, 150, 52



0, 23, 8

Inverse Universe

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



136, 115, 175



166, 134, 227



166, 115, 175



81, 78, 87



53, 0, 150



8, 0, 23

Previews

White Background



This preview shows how the RYB color 115, 175, 136 looks on a white background.

Color Contrast Check

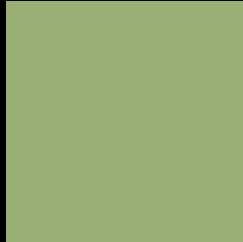
Large Text (above 18pt) WCAG AA × Fail

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 115, 175, 136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

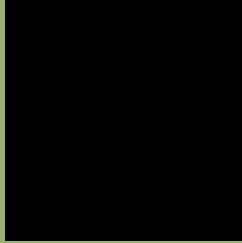
Any Text WCAG AA ✓ Pass

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 115, 175, 136 Background



This preview shows how black text looks on a background with the RYB color 115, 175, 136.



This preview shows how white text looks on a background with the RYB color 115, 175, 136.

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
[115, 175, 136](#)

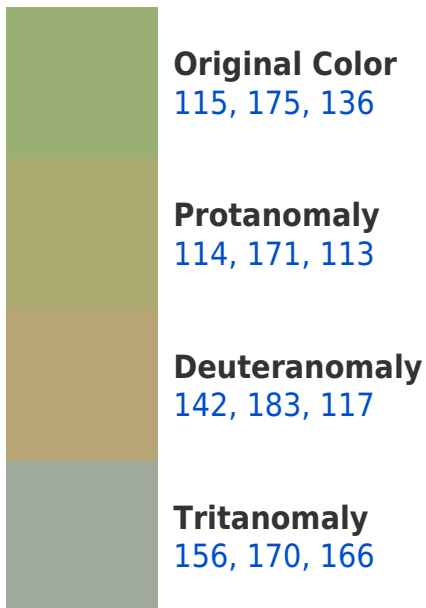
Protanopia
[130, 181, 112](#)

Deuteranopia
[193, 199, 118](#)

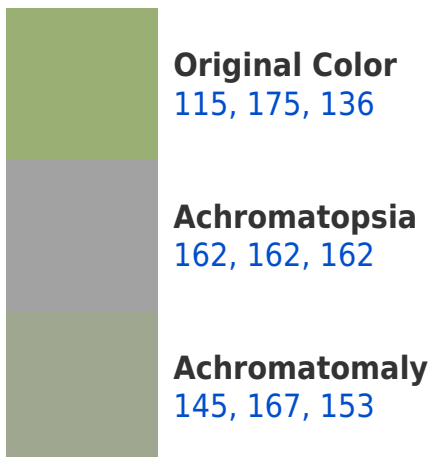


Tritanopia
163, 166, 180

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 115, 175, 136 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(154, 175, 115) looks like.

```
.text, #text, p{  
    color:rgb(154, 175, 115)  
}
```

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(154, 175, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 175, 115) }
```

Border

The CSS property to change the border of an element to RYB 115, 175, 136 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(154, 175, 115) }
```

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

```
.border{ border-color:rgb(154, 175, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 175, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 175, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 175, 115);  
box-shadow:4px 4px 4px 4px rgb(154, 175,  
115) }
```

Background

The CSS property to change the background color of an element to RYB 115, 175, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 175, 115) }
```

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

```
.background{ background-color: rgb(154,  
175, 115) }
```

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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