

Converting Colors

`RYB(90, 165, 156)`

Have a look what the booklet for
RYB(90, 165, 156) contains.

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Color

$\text{RYB}(90, 165, 156)$

Conversions

Conversions Part 1

Format	Color
Hex	63A55A
RGB	99, 165, 90
RGB Percent	39%, 65%, 35%
CMY	0.6118, 0.3529, 0.6471
CMYK	0.40, 0.00, 0.45, 0.35
HSL	113°, 29%, 50%
HSV	113°, 45%, 65%
XYZ	20.4462, 30.3011, 14.4439
YIQ	136.7160, -15.2610, -37.3170

Conversions

Conversions Part 2

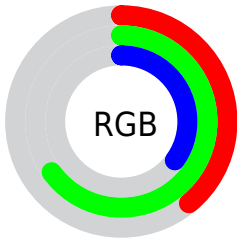
Format	Color
RYB	90, 165, 156
Decimal	6530394
CIELab	61.91, -36.24, 32.33
CIELCh	62, 48.568, 138.264
Yxy	30.3011, 0.3136, 0.4648
Android (android.graphics.Color)	4284720474 (0xFF63A55A)
YUV	136.7160, -23.0310, -33.0769
Hunter-Lab	55.0464, -30.0301, 22.9751

Details

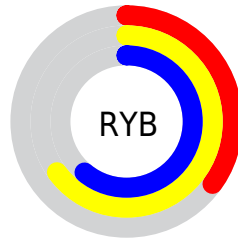
The RYB color **90, 165, 156** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **156, 90, 165**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **141, 221, 209**, and **42, 113, 109** is the 20% darker color. If you saturate the color by 10%, you get **74, 165, 155**, and if you desaturate by 10%, it is **106, 165, 157**.

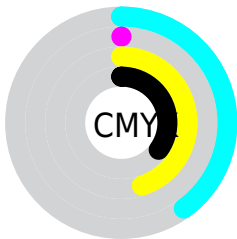
Distribution



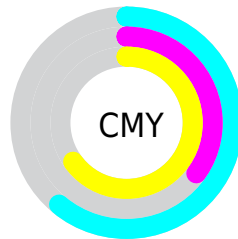
- Red (39%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (61%)



- Cyan (40%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)



- Cyan (61%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 165, 156 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, 165, 156 by changing the saturation by 10% instead.



90, 165, 156



90, 165, 156

255, 255, 255



66, 138, 131



141, 221, 209



42, 113, 109



168, 249, 236



15, 85, 88



196, 255, 242



0, 64, 64



224, 255, 241



0, 41, 41

253, 255, 253



0, 13, 13



0, 0, 0



90, 165, 156



90, 165, 156



74, 165, 155



106, 165, 157

■ 57, 165, 152

■ 123, 165, 160

■ 41, 165, 151

■ 139, 165, 161

■ 24, 165, 148

■ 156, 165, 164

■ 7, 165, 146

■ 172, 165, 172

■ 0, 165, 145

■ 186, 165, 189

■ 201, 165, 206

■ 215, 165, 222

■ 230, 165, 238

Harmonies

Analogous

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



64, 155, 70



90, 165, 156



0, 96, 170

Triad

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



90, 165, 156



0, 95, 233



230, 114, 125

Complementary

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



90, 165, 156



156, 90, 165

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.



220, 115, 168



90, 165, 156



124, 142, 231

Square

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



90, 165, 156



0, 94, 213



186, 128, 207



218, 141, 87

Rectangle

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



90, 165, 156



0, 88, 171



186, 128, 207



230, 112, 139

Sweetspot

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



90, 165, 156



184, 214, 210



102, 165, 90



89, 107, 105



235, 235, 235



107, 107, 107

Same Dimension

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



90, 165, 156



96, 214, 199



90, 145, 165



73, 82, 81



0, 145, 128



0, 18, 16

Inverse Universe

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



156, 90, 165



200, 96, 214



165, 90, 137



81, 73, 82



128, 0, 145



16, 0, 18

Previews

White Background



This preview shows how the RYB color 90, 165, 156 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 90, 165, 156 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/YB 90, 165, 156 Background



This preview shows how black text looks on a background with the R/YB color 90, 165, 156.

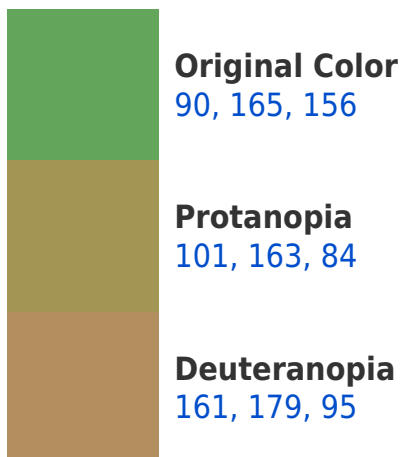



This preview shows how white text looks on a background with the R/YB color 90, 165, 156.

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





Tritanopia
114, 138, 169

Trichromacy



Original Color
90, 165, 156

Protanomaly
86, 155, 101

Deuteranomaly
93, 150, 93

Tritanomaly
109, 140, 159

Monochromacy



Original Color
90, 165, 156

Achromatopsia
137, 137, 137

Achromatomaly
120, 147, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 165, 156 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(99, 165, 90)` looks like.

```
.text, #text, p{  
    color:rgb(99, 165, 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(99, 165, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 165, 90) }
```

Border

The CSS property to change the border of an element to RYB 90, 165, 156 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(99, 165, 90) }
```

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

```
.border{ border-color:rgb(99, 165, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 165, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 165, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 165, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 165,  
90) }
```

Background

The CSS property to change the background color of an element to RGB 99, 165, 90 is called "background".

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

```
.background, #background, body{  
background: rgb(99, 165, 90) }
```

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

```
.background{ background-color: rgb(99, 165,  
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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