

Converting Colors

`RYB(53, 158, 115)`

Have a look what the booklet for
RYB(53, 158, 115) contains.

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Color

`RYB(53, 158, 115)`

Conversions

Conversions Part 1

Format	Color
Hex	609E35
RGB	96, 158, 53
RGB Percent	38%, 62%, 21%
CMY	0.6235, 0.3804, 0.7922
CMYK	0.39, 0.00, 0.66, 0.38
HSL	95°, 50%, 41%
HSV	95°, 66%, 62%
XYZ	17.6933, 27.1976, 7.6853
YIQ	127.4920, -3.2470, -45.7990

Conversions

Conversions Part 2

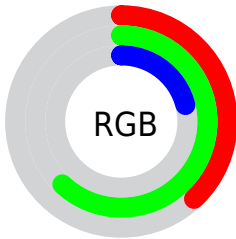
Format	Color
RYB	53, 158, 115
Decimal	6331957
CIELab	59.16, -38.46, 46.93
CIElCh	59, 60.673, 129.337
Yxy	27.1976, 0.3365, 0.5173
Android (android.graphics.Color)	4284522037 (0xFF609E35)
YUV	127.4920, -36.7246, -27.6185
Hunter-Lab	52.1513, -30.7051, 27.7686

Details

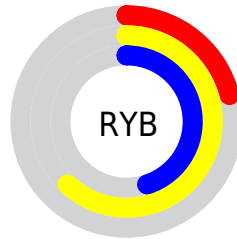
The RYB color **53, 158, 115** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **115, 53, 158**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **105, 213, 167**, and **0, 106, 65** is the 20% darker color. If you saturate the color by 10%, you get **37, 158, 108**, and if you desaturate by 10%, it is **69, 158, 122**.

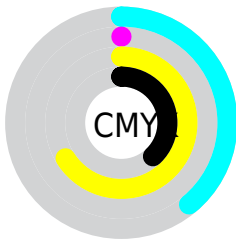
Distribution



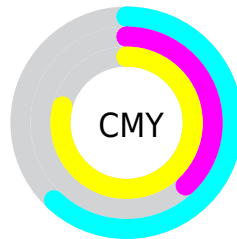
- Red (38%)
- Green (62%)
- Blue (21%)



- Red (21%)
- Yellow (62%)
- Blue (45%)



- Cyan (39%)
- Magenta (0%)
- Yellow (66%)
- Black (38%)



- Cyan (62%)
- Magenta (38%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the RYB color 53, 158, 115 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 53, 158, 115 by changing the saturation by 10% instead.



53, 158, 115



53, 158, 115

255, 255, 255



26, 132, 89



105, 213, 167



0, 106, 65



131, 242, 194



0, 81, 74



158, 255, 206



0, 57, 57



186, 255, 205



0, 37, 37



214, 255, 214



0, 0, 0



243, 255, 243



53, 158, 115



53, 158, 115



37, 158, 108



69, 158, 122

■ 21, 158, 102

■ 85, 158, 128

■ 6, 158, 96

■ 100, 158, 134

■ 0, 158, 93

■ 116, 158, 141

■ 132, 158, 147

■ 148, 158, 154

■ 161, 158, 164

■ 171, 158, 179

■ 180, 158, 195

Harmonies

Analogous

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



29, 154, 19



53, 158, 115



0, 102, 165

Triad

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



53, 158, 115



0, 96, 242



238, 90, 128

Complementary

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



53, 158, 115



115, 53, 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.



219, 98, 181



53, 158, 115



54, 115, 248

Square

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



53, 158, 115



0, 93, 209



166, 121, 225



230, 110, 77

Rectangle

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



53, 158, 115



0, 91, 167



166, 121, 225



235, 91, 146

Sweetspot

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



53, 158, 115



165, 207, 190



129, 158, 53



79, 105, 94



232, 232, 232



105, 105, 105

Same Dimension

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



53, 158, 115



41, 207, 139



53, 150, 158



71, 79, 76



0, 143, 85



0, 15, 9

Inverse Universe

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



115, 53, 158



139, 41, 207



158, 53, 149



76, 71, 79



84, 0, 143



9, 0, 15

Previews

White Background



This preview shows how the RYB color 53, 158, 115 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 53, 158, 115 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R_YB 53, 158, 115 Background



This preview shows how black text looks on a background with the R_YB color 53, 158, 115.

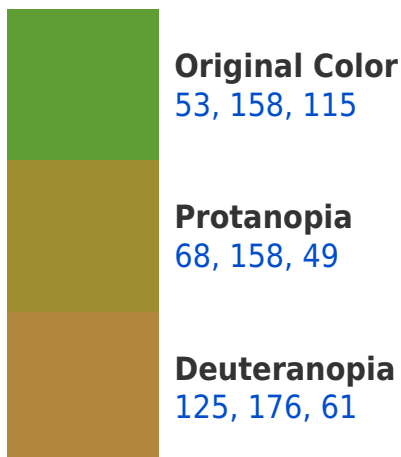


This preview shows how white text looks on a background with the R_YB color 53, 158, 115.

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
112, 133, 160

Trichromacy



Original Color

53, 158, 115

Protanomaly

50, 148, 63

Deuteranomaly

62, 147, 58

Tritanomaly

106, 141, 152

Monochromacy



Original Color

53, 158, 115

Achromatopsia

127, 127, 127

Achromatomaly

100, 138, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 158, 115 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(96, 158, 53)` looks like.

```
.text, #text, p{  
    color:rgb(96, 158, 53)  
}
```

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(96, 158, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 158, 53) }
```

Border

The CSS property to change the border of an element to RYB 53, 158, 115 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(96, 158, 53) }
```

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

```
.border{ border-color:rgb(96, 158, 53) }
```

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

Here you see how a box with a 4 pixel rgb(96, 158, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 158, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 158, 53);  
box-shadow:4px 4px 4px 4px rgb(96, 158,  
53) }
```

Background

The CSS property to change the background color of an element to RYB 53, 158, 115 is called "background".

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

```
.background, #background, body{  
background: rgb(96, 158, 53) }
```

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

```
.background{ background-color: rgb(96, 158,  
53) }
```

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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