

Converting Colors

`RYB(65, 166, 154)`

Have a look what the booklet for
RYB(65, 166, 154) contains.

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Color

R_YB(65, 166, 154)

Conversions

Conversions Part 1

Format	Color
Hex	4DA641
RGB	77, 166, 65
RGB Percent	30%, 65%, 25%
CMY	0.6980, 0.3490, 0.7451
CMYK	0.54, 0.00, 0.61, 0.35
HSL	113°, 44%, 45%
HSV	113°, 61%, 65%
XYZ	17.6509, 29.2319, 9.7130
YIQ	127.8750, -20.6230, -50.2790

Conversions

Conversions Part 2

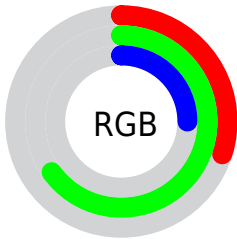
Format	Color
RYB	65, 166, 154
Decimal	5088833
CIELab	60.99, -46.57, 43.37
CIELCh	61, 63.639, 137.038
Yxy	29.2319, 0.3119, 0.5165
Android (android.graphics.Color)	4283278913 (0xFF4DA641)
YUV	127.8750, -30.9974, -44.6174
Hunter-Lab	54.0665, -36.3421, 27.1951

Details

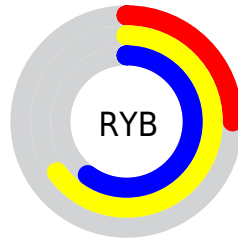
The RYB color **65, 166, 154** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **154, 65, 166**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **116, 222, 205**, and **3, 106, 113** is the 20% darker color. If you saturate the color by 10%, you get **48, 166, 152**, and if you desaturate by 10%, it is **82, 166, 156**.

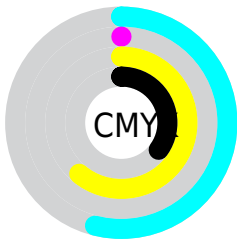
Distribution



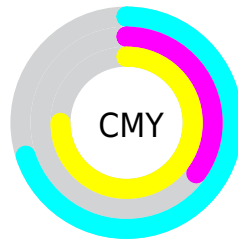
- Red (30%)
- Green (65%)
- Blue (25%)



- Red (25%)
- Yellow (65%)
- Blue (60%)



- Cyan (54%)
- Magenta (0%)
- Yellow (61%)
- Black (35%)



- Cyan (70%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 166, 154 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 65, 166, 154 by changing the saturation by 10% instead.



65, 166, 154



65, 166, 154

255, 255, 255



39, 139, 131



116, 222, 205



3, 106, 113



143, 251, 232



0, 88, 88



170, 255, 235



0, 63, 63



198, 255, 234



0, 42, 42



226, 255, 232



0, 7, 7



0, 0, 0



65, 166, 154



65, 166, 154



48, 166, 152



82, 166, 156

■ 32, 166, 150

■ 98, 166, 158

■ 15, 166, 148

■ 115, 166, 160

■ 0, 166, 146

■ 131, 166, 161

■ 148, 166, 164

■ 165, 166, 166

■ 179, 166, 181

■ 194, 166, 198

■ 209, 166, 214

Harmonies

Analogous

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



20, 154, 29



65, 166, 154



0, 101, 172

Triad

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



65, 166, 154



0, 99, 255



248, 93, 118

Complementary

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



65, 166, 154



154, 65, 166

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.



236, 96, 174



65, 166, 154



97, 132, 255

Square

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



65, 166, 154



0, 98, 229



190, 118, 224



232, 130, 66

Rectangle

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



65, 166, 154



0, 91, 174



190, 118, 224



248, 91, 136

Sweetspot

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



65, 166, 154



178, 217, 213



80, 166, 65



86, 110, 108



237, 237, 237



110, 110, 110

Same Dimension

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



65, 166, 154



59, 217, 199



65, 139, 166



76, 84, 83



0, 148, 130



0, 20, 18

Inverse Universe

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



154, 65, 166



198, 59, 217



166, 65, 129



83, 76, 84



130, 0, 148



18, 0, 20

Previews

White Background



This preview shows how the RYB color 65, 166, 154 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 65, 166, 154 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](#).

RYB 65, 166, 154 Background



This preview shows how black text looks on a background with the RYB color 65, 166, 154.



This preview shows how white text looks on a background with the RYB color 65, 166, 154.

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
65, 166, 154

Protanopia
79, 163, 59

Deuteranopia
139, 180, 73



Tritanopia
99, 130, 168

Trichromacy



Original Color
65, 166, 154

Protanomaly
61, 153, 82

Deuteranomaly
70, 149, 76

Tritanomaly
91, 135, 160

Monochromacy



Original Color
65, 166, 154

Achromatopsia
128, 128, 128

Achromatomaly
105, 142, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 166, 154 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(77, 166, 65)` looks like.

```
.text, #text, p{  
    color:rgb(77, 166, 65)  
}
```

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(77, 166, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 166, 65) }
```

Border

The CSS property to change the border of an element to RYB 65, 166, 154 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(77, 166, 65) }
```

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

```
.border{ border-color:rgb(77, 166, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 166, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 166, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 166, 65);  
box-shadow:4px 4px 4px 4px rgb(77, 166,  
65) }
```

Background

The CSS property to change the background color of an element to RGB 77, 166, 65 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 166, 65) }
```

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

```
.background{ background-color: rgb(77, 166,  
65) }
```

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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