

Converting Colors

`RYB(5, 117, 160)`

Have a look what the booklet for
RYB(5, 117, 160) contains.

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Color

R_YB(5, 117, 160)

Conversions

Conversions Part 1

Format	Color
Hex	05A041
RGB	5, 160, 65
RGB Percent	2%, 63%, 25%
CMY	0.9804, 0.3725, 0.7470
CMYK	0.97, 0.00, 0.60, 0.37
HSL	143°, 94%, 32%
HSV	143°, 97%, 63%
XYZ	13.5734, 25.5499, 9.1430
YIQ	102.8250, -61.8850, -62.4050

Conversions

Conversions Part 2

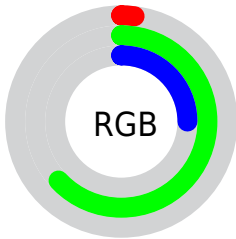
Format	Color
RYB	5, 117, 160
Decimal	368705
CIELab	57.61, -55.92, 39.33
CIELCh	58, 68.369, 144.883
Yxy	25.5499, 0.2812, 0.5294
Android (android.graphics.Color)	4278558785 (0xFF05A041)
YUV	102.8250, -18.6477, -85.7925
Hunter-Lab	50.5469, -40.5244, 24.6583

Details

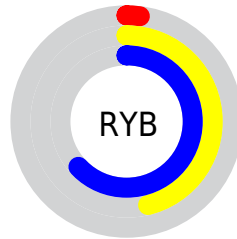
The RYB color **5, 117, 160** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **160, 5, 100**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **90, 194, 216**, and **0, 95, 107** is the 20% darker color. If you saturate the color by 10%, you get **0, 116, 160**, and if you desaturate by 10%, it is **21, 122, 160**.

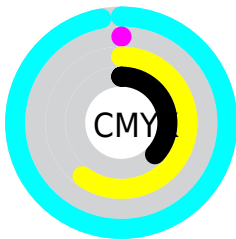
Distribution



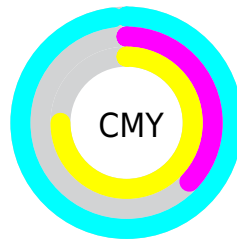
- Red (2%)
- Green (63%)
- Blue (25%)



- Red (2%)
- Yellow (46%)
- Blue (63%)



- Cyan (97%)
- Magenta (0%)
- Yellow (60%)
- Black (37%)




- Cyan (98%)
- Magenta (37%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 5, 117, 160 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 5, 117, 160 by changing the saturation by 10% instead.

 5, 117, 160

 5, 117, 160


255, 255, 255

 0, 102, 133

 90, 195, 216

 0, 96, 107

 121, 227, 245

 0, 81, 81

 150, 239, 255

 0, 57, 57

 180, 242, 255


 0, 34, 34

 210, 244, 255


 0, 0, 0


 240, 248, 255


 5, 117, 160


 5, 117, 160


 0, 116, 160


 21, 122, 160


 37, 126, 160

 53, 130, 160


 69, 135, 160

 85, 139, 160

 101, 143, 160

 117, 148, 160

 133, 153, 160

 149, 157, 160

Harmonies

Analogous

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



0, 150, 32



5, 117, 160



0, 94, 165

Triad

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



5, 117, 160



0, 94, 255



242, 81, 92

Complementary

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



5, 117, 160



160, 5, 100

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.



238, 75, 151



5, 117, 160



115, 126, 248

Square

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



5, 117, 160



0, 96, 236



200, 98, 208



218, 151, 37

Rectangle

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



5, 117, 160



0, 83, 167



200, 98, 208



244, 76, 111

Sweetspot

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



5, 117, 160



148, 192, 209



5, 160, 64



68, 95, 105



232, 232, 232



105, 105, 105

Same Dimension

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



5, 117, 160



0, 151, 209



5, 87, 160



71, 77, 79



0, 103, 143



0, 11, 15

Inverse Universe

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



160, 5, 100



209, 0, 129



160, 5, 23



79, 71, 76



143, 0, 88



15, 0, 9

Previews

White Background



This preview shows how the RYB color 5, 117, 160 looks on a white background.

Color Contrast Check

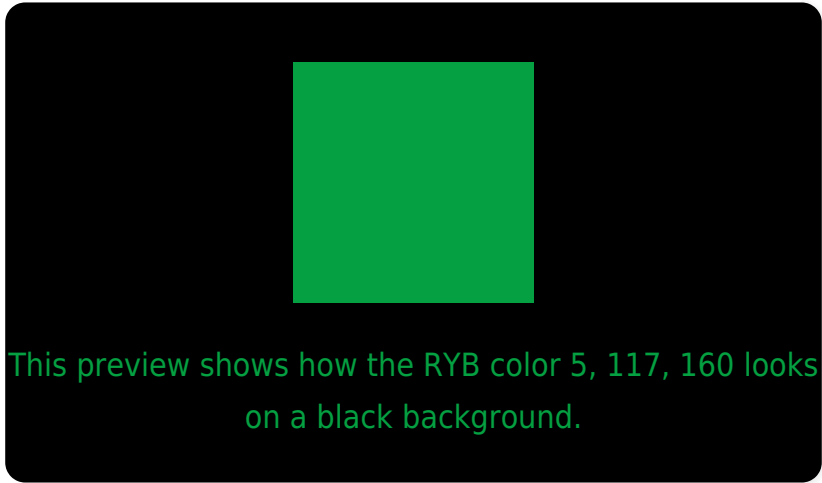
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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](#).

RGB 5, 117, 160 Background



This preview shows how black text looks on a background with the RGB color 5, 117, 160.

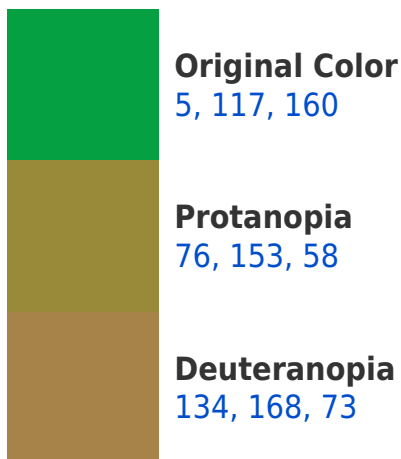


This preview shows how white text looks on a background with the RGB color 5, 117, 160.

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

64, 110, 162

Trichromacy



Original Color

5, 117, 160



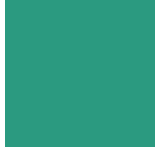
Protanomaly

60, 146, 107



Deuteranomaly

70, 142, 103



Tritanomaly

43, 106, 154

Monochromacy



Original Color

5, 117, 160



Achromatopsia

103, 103, 103



Achromatomaly

67, 108, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 5, 117, 160 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(5, 160, 65)` looks like.

```
.text, #text, p{  
    color:rgb(5, 160, 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(5, 160, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 160, 65) }
```

Border

The CSS property to change the border of an element to RYB 5, 117, 160 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(5, 160, 65) }
```

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

```
.border{ border-color:rgb(5, 160, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 160, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 160, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 160, 65);  
box-shadow:4px 4px 4px 4px rgb(5, 160, 65)  
}
```

Background

The CSS property to change the background color of an element to RGB 5, 117, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 160, 65) }
```

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

```
.background{ background-color: rgb(5, 160,  
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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