

Converting Colors

`RYB(63, 118, 105)`

Have a look what the booklet for
RYB(63, 118, 105) contains.

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Color

R_YB(63, 118, 105)

Conversions

Conversions Part 1

Format	Color
Hex	4C763F
RGB	76, 118, 63
RGB Percent	30%, 46%, 25%
CMY	0.7020, 0.5373, 0.7529
CMYK	0.36, 0.00, 0.47, 0.54
HSL	106°, 30%, 35%
HSV	106°, 47%, 46%
XYZ	10.3561, 14.8522, 7.0236
YIQ	99.1720, -7.3770, -26.0090

Conversions

Conversions Part 2

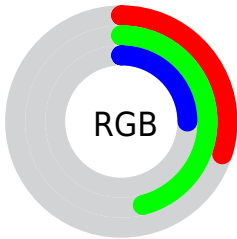
Format	Color
RYB	63, 118, 105
Decimal	5011007
CIELab	45.43, -25.98, 25.71
CIElCh	45, 36.546, 135.301
Yxy	14.8522, 0.3213, 0.4608
Android (android.graphics.Color)	4283201087 (0xFF4C763F)
YUV	99.1720, -17.8328, -20.3218
Hunter-Lab	38.5386, -19.4759, 16.1716

Details

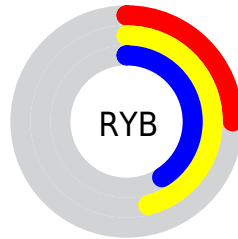
The RYB color **63, 118, 105** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **105, 63, 118**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **112, 170, 155**, and **18, 69, 60** is the 20% darker color. If you saturate the color by 10%, you get **51, 118, 102**, and if you desaturate by 10%, it is **75, 118, 108**.

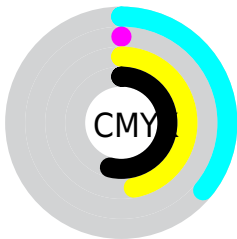
Distribution



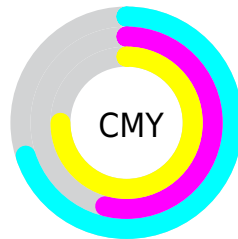
- Red (30%)
- Green (46%)
- Blue (25%)



- Red (25%)
- Yellow (46%)
- Blue (41%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (54%)



- Cyan (70%)
- Magenta (54%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 118, 105 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 63, 118, 105 by changing the saturation by 10% instead.



63, 118, 105



63, 118, 105

255, 255, 255



40, 93, 81



112, 170, 155



18, 69, 60



137, 198, 182



0, 46, 41



164, 226, 209



0, 27, 27



191, 255, 237



0, 0, 0



219, 255, 237



248, 255, 248



63, 118, 105



63, 118, 105



51, 118, 102



75, 118, 108

■ 39, 118, 99

■ 87, 118, 111

■ 28, 118, 97

■ 98, 118, 113

■ 16, 118, 94

■ 110, 118, 116

■ 4, 118, 91

■ 121, 118, 122

■ 0, 118, 90

■ 130, 118, 134

■ 139, 118, 146

■ 148, 118, 157

■ 157, 118, 169

Harmonies

Analogous

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



46, 111, 47



63, 118, 105



22, 81, 122

Triad

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



63, 118, 105



0, 68, 166



165, 82, 93

Complementary

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



63, 118, 105



105, 63, 118

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.



156, 84, 124



63, 118, 105



85, 101, 166

Square

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



63, 118, 105



0, 67, 150



130, 93, 151



158, 97, 65

Rectangle

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



63, 118, 105



0, 64, 123



130, 93, 151



164, 82, 103

Sweetspot

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



63, 118, 105



132, 153, 148



82, 118, 63



63, 77, 73



204, 204, 204



77, 77, 77

Same Dimension

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



63, 118, 105



67, 153, 132



63, 107, 118



53, 59, 58



0, 122, 93



0, 250, 191

Inverse Universe

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



105, 63, 118



133, 67, 153



118, 63, 104



57, 53, 59



93, 0, 122



191, 0, 250

Previews

White Background



This preview shows how the RYB color 63, 118, 105 looks on a white background.

Color Contrast Check

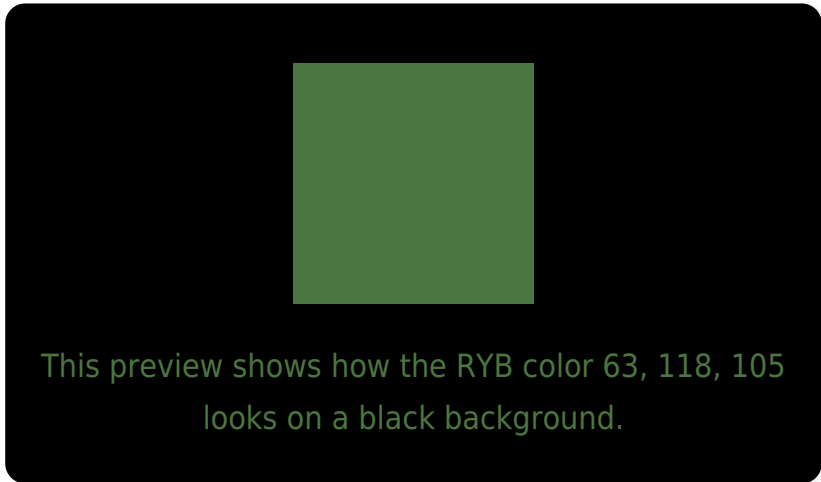
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

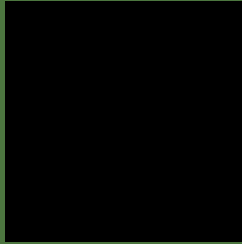
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 63, 118, 105 Background



This preview shows how black text looks on a background with the RYB color 63, 118, 105.



This preview shows how white text looks on a background with the RYB color 63, 118, 105.

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
63, 118, 105

Protanopia
73, 118, 59

Deuteranopia
115, 129, 67



Tritanopia
86, 101, 120

Trichromacy



Original Color
63, 118, 105

Protanomaly
60, 111, 68

Deuteranomaly
68, 110, 66

Tritanomaly
82, 103, 114

Monochromacy



Original Color
63, 118, 105

Achromatopsia
99, 99, 99

Achromatomaly
86, 106, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 118, 105 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(76, 118, 63)` looks like.

```
.text, #text, p{  
    color:rgb(76, 118, 63)  
}
```

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(76, 118, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 118, 63) }
```

Border

The CSS property to change the border of an element to RYB 63, 118, 105 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(76, 118, 63) }
```

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

```
.border{ border-color:rgb(76, 118, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 118, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 118, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 118, 63);  
box-shadow:4px 4px 4px 4px rgb(76, 118,  
63) }
```

Background

The CSS property to change the background color of an element to RGB 63, 118, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 118, 63) }
```

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

```
.background{ background-color: rgb(76, 118,  
63) }
```

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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