

Converting Colors

`RYB(67, 118, 103)`

Have a look what the booklet for
RYB(67, 118, 103) contains.

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Color

R_YB(67, 118, 103)

Conversions

Conversions Part 1

Format	Color
Hex	527643
RGB	82, 118, 67
RGB Percent	32%, 46%, 26%
CMY	0.6784, 0.5373, 0.7373
CMYK	0.31, 0.00, 0.43, 0.54
HSL	102°, 28%, 36%
HSV	102°, 43%, 46%
XYZ	10.9712, 15.1560, 7.6573
YIQ	101.4220, -5.0850, -23.4930

Conversions

Conversions Part 2

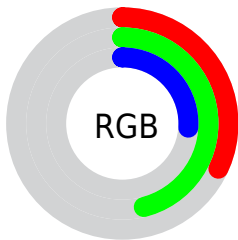
Format	Color
RYB	67, 118, 103
Decimal	5404227
CIELab	45.85, -23.13, 24.08
CIElCh	46, 33.391, 133.851
Yxy	15.1560, 0.3247, 0.4486
Android (android.graphics.Color)	4283594307 (0xFF527643)
YUV	101.4220, -16.9700, -17.0331
Hunter-Lab	38.9306, -17.8247, 15.5896

Details

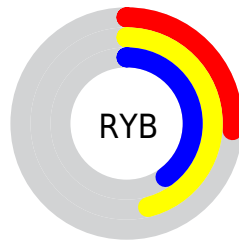
The RYB color **67, 118, 103** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **103, 67, 118**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **116, 170, 153**, and **22, 69, 57** is the 20% darker color. If you saturate the color by 10%, you get **55, 118, 99**, and if you desaturate by 10%, it is **79, 118, 107**.

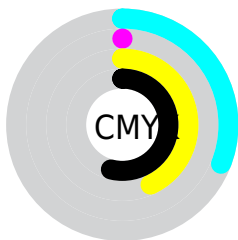
Distribution



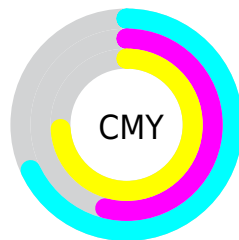
- Red (32%)
- Green (46%)
- Blue (26%)



- Red (26%)
- Yellow (46%)
- Blue (40%)



- Cyan (31%)
- Magenta (0%)
- Yellow (43%)
- Black (54%)



- Cyan (68%)
- Magenta (54%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 118, 103 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 67, 118, 103 by changing the saturation by 10% instead.



67, 118, 103



67, 118, 103

255, 255, 255



44, 93, 79



116, 170, 153



22, 69, 57



142, 198, 181



0, 47, 35



168, 226, 207



0, 28, 28



196, 255, 236



0, 0, 0



224, 255, 236

252, 255, 252



67, 118, 103



67, 118, 103



55, 118, 99



79, 118, 107

■ 43, 118, 96

■ 91, 118, 110

■ 32, 118, 93

■ 102, 118, 113

■ 20, 118, 89

■ 114, 118, 117

■ 8, 118, 86

■ 124, 118, 126

■ 0, 118, 83

■ 132, 118, 138

■ 140, 118, 150

■ 149, 118, 161

■ 157, 118, 173

Harmonies

Analogous

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



55, 113, 53



67, 118, 103



41, 91, 122

Triad

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



67, 118, 103



17, 76, 162



162, 86, 97

Complementary

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



67, 118, 103



103, 67, 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.



153, 88, 125



67, 118, 103



87, 103, 163

Square

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



67, 118, 103



0, 66, 146



128, 96, 149



156, 99, 71

Rectangle

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



67, 118, 103



0, 65, 123



128, 96, 149



161, 86, 106

Sweetspot

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



67, 118, 103



133, 153, 147



88, 118, 67



64, 77, 73



204, 204, 204



77, 77, 77

Same Dimension

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



67, 118, 103



73, 153, 129



67, 110, 118



53, 59, 57



0, 122, 86



0, 250, 176

Inverse Universe

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



103, 67, 118



130, 73, 153



118, 67, 108



57, 53, 59



86, 0, 122



176, 0, 250

Previews

White Background



This preview shows how the RYB color 67, 118, 103 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



This preview shows how the RYB color 67, 118, 103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

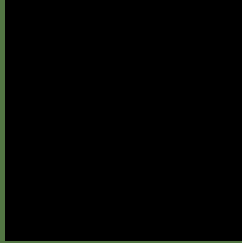
Any Text WCAG AA × Fail

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](#).

R Y B 67, 118, 103 Background



This preview shows how black text looks on a background with the R Y B color 67, 118, 103.



This preview shows how white text looks on a background with the R Y B color 67, 118, 103.

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

67, 118, 103

Protanopia

77, 119, 63

Deuteranopia

119, 130, 70



Tritanopia
91, 103, 121

Trichromacy



Original Color

67, 118, 103

Protanomaly

64, 112, 70

Deuteranomaly

75, 113, 69

Tritanomaly

88, 105, 114

Monochromacy



Original Color

67, 118, 103

Achromatopsia

101, 101, 101

Achromatomaly

89, 107, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 118, 103 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(82, 118, 67)` looks like.

```
.text, #text, p{  
    color:rgb(82, 118, 67)  
}
```

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(82, 118, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 118, 67) }
```

Border

The CSS property to change the border of an element to RYB 67, 118, 103 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(82, 118, 67) }
```

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

```
.border{ border-color:rgb(82, 118, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 118, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 118, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 118, 67);  
box-shadow:4px 4px 4px 4px rgb(82, 118,  
67) }
```

Background

The CSS property to change the background color of an element to RYB 67, 118, 103 is called "background".

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

```
.background, #background, body{  
background: rgb(82, 118, 67) }
```

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

```
.background{ background-color: rgb(82, 118,  
67) }
```

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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