

Converting Colors

`RYB(70, 119, 103)`

Have a look what the booklet for
RYB(70, 119, 103) contains.

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Color

R_YB(70, 119, 103)

Conversions

Conversions Part 1

Format	Color
Hex	567746
RGB	86, 119, 70
RGB Percent	34%, 47%, 27%
CMY	0.6627, 0.5333, 0.7255
CMYK	0.28, 0.00, 0.41, 0.53
HSL	100°, 26%, 37%
HSV	100°, 41%, 47%
XYZ	11.5401, 15.6143, 8.2000
YIQ	103.5470, -3.9390, -22.2350

Conversions

Conversions Part 2

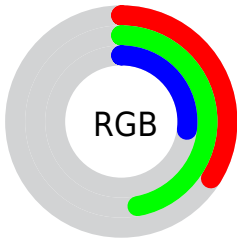
Format	Color
RYB	70, 119, 103
Decimal	5666630
CIELab	46.46, -21.66, 23.24
CIElCh	46, 31.765, 132.983
Yxy	15.6143, 0.3264, 0.4417
Android (android.graphics.Color)	4283856710 (0xFF567746)
YUV	103.5470, -16.5387, -15.3887
Hunter-Lab	39.5149, -17.0213, 15.3568

Details

The RYB color **70, 119, 103** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **103, 70, 119**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **119, 171, 153**, and **25, 70, 57** is the 20% darker color. If you saturate the color by 10%, you get **58, 119, 99**, and if you desaturate by 10%, it is **82, 119, 107**.

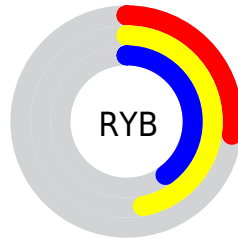
Distribution



Red (34%)

Green (47%)

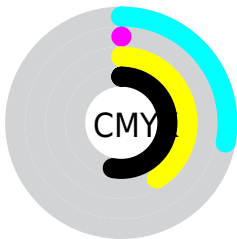
Blue (27%)



Red (27%)

Yellow (47%)

Blue (40%)

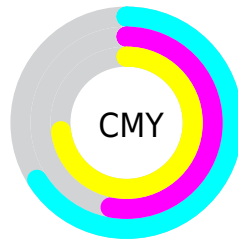


Cyan (28%)

Magenta (0%)

Yellow (41%)

Black (53%)



Cyan (66%)













Magenta (53%)







Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 119, 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 70, 119, 103 by changing the saturation by 10% instead.

 70, 119, 103	 70, 119, 103
255, 255, 255	 47, 94, 79
 119, 171, 153	 25, 70, 57
 145, 199, 180	 0, 48, 32
 172, 227, 208	 0, 29, 29
 199, 255, 235	 0, 0, 0
 227, 255, 234	

 70, 119, 103	 70, 119, 103
 58, 119, 99	 82, 119, 107
 46, 119, 95	 94, 119, 111

■ 34, 119, 91

■ 106, 119, 115

■ 22, 119, 87

■ 118, 119, 119

■ 11, 119, 84

■ 126, 119, 130

■ 0, 119, 80

■ 134, 119, 141

■ 142, 119, 153

■ 150, 119, 165

■ 158, 119, 177

Harmonies

Analogous

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



60, 115, 57



70, 119, 103



49, 95, 123

Triad

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



70, 119, 103



32, 83, 161



161, 89, 99

Complementary

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



70, 119, 103



103, 70, 119

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.



152, 91, 126



70, 119, 103



89, 105, 162

Square

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



70, 119, 103



0, 66, 146



128, 99, 149



156, 100, 75

Rectangle

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



70, 119, 103



5, 68, 124



128, 99, 149



160, 89, 108

Sweetspot

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



70, 119, 103



137, 156, 150



94, 119, 70



68, 79, 75



207, 207, 207



79, 79, 79

Same Dimension

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



70, 119, 103



79, 156, 131



70, 112, 119



53, 59, 57



0, 122, 82



0, 250, 168

Inverse Universe

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



103, 70, 119



131, 79, 156



119, 70, 111



57, 53, 59



82, 0, 122



168, 0, 250

Previews

White Background



This preview shows how the RYB color 70, 119, 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 70, 119, 103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

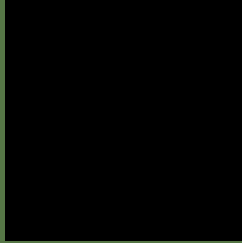
Any Text WCAG AA × Fail

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 70, 119, 103 Background



This preview shows how black text looks on a background with the R Y B color 70, 119, 103.



This preview shows how white text looks on a background with the R Y B color 70, 119, 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

70, 119, 103

Protanopia

78, 120, 66

Deuteranopia

123, 132, 73



Tritanopia
94, 105, 122

Trichromacy



Original Color

70, 119, 103

Protanomaly

67, 113, 72

Deuteranomaly

78, 115, 72

Tritanomaly

91, 107, 115

Monochromacy



Original Color

70, 119, 103

Achromatopsia

104, 104, 104

Achromatomaly

92, 109, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 119, 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(86, 119, 70)` looks like.

```
.text, #text, p{  
    color:rgb(86, 119, 70)  
}
```

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(86, 119, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 119, 70) }
```

Border

The CSS property to change the border of an element to RYB 70, 119, 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(86, 119, 70) }
```

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

```
.border{ border-color:rgb(86, 119, 70) }
```

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

Here you see how a box with a 4 pixel rgb(86, 119, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 119, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 119, 70);  
box-shadow:4px 4px 4px 4px rgb(86, 119,  
70) }
```

Background

The CSS property to change the background color of an element to RGB 70, 119, 103 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 119, 70) }
```

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

```
.background{ background-color: rgb(86, 119,  
70) }
```

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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