

Converting Colors

`RYB(71, 117, 111)`

Have a look what the booklet for
RYB(71, 117, 111) contains.

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Color

$\text{RYB}(71, 117, 111)$

Conversions

Conversions Part 1

Format	Color
Hex	4D7547
RGB	77, 117, 71
RGB Percent	30%, 46%, 28%
CMY	0.6980, 0.5412, 0.7216
CMYK	0.34, 0.00, 0.39, 0.54
HSL	112°, 24%, 37%
HSV	112°, 39%, 46%
XYZ	10.5592, 14.7553, 8.2528
YIQ	99.7960, -9.0740, -22.7860

Conversions

Conversions Part 2

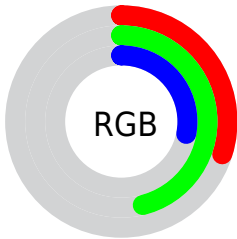
Format	Color
RYB	71, 117, 111
Decimal	5076295
CIELab	45.30, -23.85, 21.04
CIELCh	45, 31.807, 138.575
Yxy	14.7553, 0.3146, 0.4396
Android (android.graphics.Color)	4283266375 (0xFF4D7547)
YUV	99.7960, -14.1964, -19.9921
Hunter-Lab	38.4126, -18.1545, 14.1507

Details

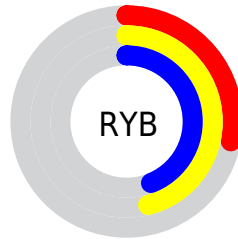
The RYB color **71, 117, 111** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **111, 71, 117**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **120, 169, 161**, and **26, 68, 65** is the 20% darker color. If you saturate the color by 10%, you get **59, 117, 109**, and if you desaturate by 10%, it is **83, 117, 113**.

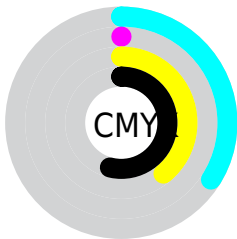
Distribution



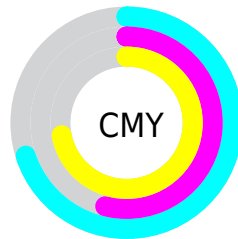
- Red (30%)
- Green (46%)
- Blue (28%)



- Red (28%)
- Yellow (46%)
- Blue (44%)



- Cyan (34%)
- Magenta (0%)
- Yellow (39%)
- Black (54%)



- Cyan (70%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 71, 117, 111 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 71, 117, 111 by changing the saturation by 10% instead.



71, 117, 111



71, 117, 111

255, 255, 255



48, 92, 87



120, 169, 161



26, 68, 65



146, 197, 189



2, 46, 42



173, 225, 217



0, 27, 27



200, 254, 245



0, 0, 0



228, 255, 245



71, 117, 111



71, 117, 111



59, 117, 109



83, 117, 113



48, 117, 108



94, 117, 114

■ 36, 117, 107

■ 106, 117, 115

■ 24, 117, 105

■ 118, 117, 118

■ 12, 117, 103

■ 128, 117, 130

■ 1, 117, 102

■ 138, 117, 141

■ 0, 117, 102

■ 148, 117, 153

■ 158, 117, 165

■ 169, 117, 176

Harmonies

Analogous

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



55, 111, 59



71, 117, 111



37, 86, 120

Triad

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



71, 117, 111



41, 86, 159



158, 86, 92

Complementary

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



71, 117, 111



111, 71, 117

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, 87, 119



71, 117, 111



94, 103, 157

Square

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



71, 117, 111



0, 66, 146



130, 94, 143



151, 104, 68

Rectangle

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



71, 117, 111



0, 62, 121



130, 94, 143



158, 86, 101

Sweetspot

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



71, 117, 111



135, 153, 151



78, 117, 71



66, 77, 76



204, 204, 204



77, 77, 77

Same Dimension

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



71, 117, 111



81, 153, 144



71, 105, 117



53, 59, 58



0, 122, 106



0, 250, 217

Inverse Universe

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



111, 71, 117



144, 81, 153



117, 71, 100



58, 53, 59



106, 0, 122



217, 0, 250

Previews

White Background



This preview shows how the RYB color 71, 117, 111 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 71, 117, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

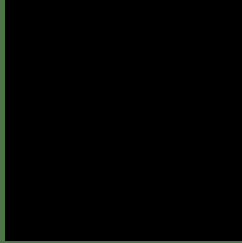
Any Text WCAG AA × Fail

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](#).

RYB 71, 117, 111 Background



This preview shows how black text looks on a background with the RYB color 71, 117, 111.



This preview shows how white text looks on a background with the RYB color 71, 117, 111.

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

71, 117, 111

Protanopia

78, 116, 67

Deuteranopia

121, 127, 74



Tritanopia
86, 100, 120

Trichromacy



Original Color

71, 117, 111

Protanomaly

68, 111, 77

Deuteranomaly

75, 109, 73

Tritanomaly

83, 101, 113

Monochromacy



Original Color

71, 117, 111

Achromatopsia

100, 100, 100

Achromatomaly

89, 106, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 71, 117, 111 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, 117, 71)` looks like.

```
.text, #text, p{  
    color:rgb(77, 117, 71)  
}
```

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, 117, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 117, 71) }
```

Border

The CSS property to change the border of an element to RYB 71, 117, 111 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, 117, 71) }
```

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

```
.border{ border-color:rgb(77, 117, 71) }
```

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

Here you see how a box with a 4 pixel rgb(77, 117, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 117, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 117, 71);  
box-shadow:4px 4px 4px 4px rgb(77, 117,  
71) }
```

Background

The CSS property to change the background color of an element to RGB 71, 117, 111 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 117, 71) }
```

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

```
.background{ background-color: rgb(77, 117,  
71) }
```

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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