

Converting Colors

`RYB(72, 105, 101)`

Have a look what the booklet for
RYB(72, 105, 101) contains.

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Color

$\text{RYB}(72, 105, 101)$

Conversions

Conversions Part 1

Format	Color
Hex	4C6948
RGB	76, 105, 72
RGB Percent	30%, 41%, 28%
CMY	0.7020, 0.5882, 0.7176
CMYK	0.28, 0.00, 0.31, 0.59
HSL	113°, 19%, 35%
HSV	113°, 31%, 41%
XYZ	9.2018, 12.1075, 7.9829
YIQ	92.5670, -6.6910, -16.4110

Conversions

Conversions Part 2

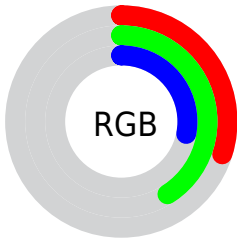
Format	Color
RYB	72, 105, 101
Decimal	5007688
CIELab	41.39, -17.77, 15.23
CIELCh	41, 23.406, 139.390
Yxy	12.1075, 0.3141, 0.4133
Android (android.graphics.Color)	4283197768 (0xFF4C6948)
YUV	92.5670, -10.1395, -14.5293
Hunter-Lab	34.7959, -13.6885, 10.7548

Details

The RYB color **72, 105, 101** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **101, 72, 105**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **121, 156, 151**, and **28, 58, 56** is the 20% darker color. If you saturate the color by 10%, you get **61, 105, 99**, and if you desaturate by 10%, it is **82, 105, 102**.

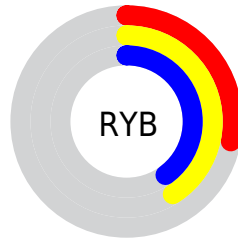
Distribution



Red (30%)

Green (41%)

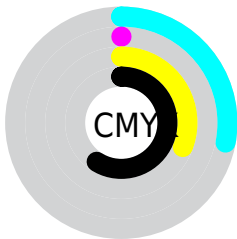
Blue (28%)



Red (28%)

Yellow (41%)

Blue (40%)

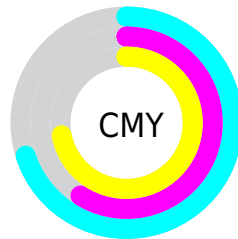


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (59%)



Cyan (70%)














Magenta (59%)







Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 105, 101 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 72, 105, 101 by changing the saturation by 10% instead.

 72, 105, 101	 72, 105, 101
 255, 255, 255	 49, 81, 77
 121, 156, 151	 28, 58, 56
 147, 183, 178	 3, 36, 29
 173, 211, 205	 0, 9, 9
 201, 239, 234	 0, 0, 0
 229, 255, 249	

 72, 105, 101	 72, 105, 101
 61, 105, 99	 82, 105, 102
 51, 105, 98	 93, 105, 104

■ 40, 105, 97

■ 104, 105, 105

■ 30, 105, 96

■ 113, 105, 114

■ 20, 105, 95

■ 122, 105, 125

■ 9, 105, 93

■ 131, 105, 135

■ 0, 105, 92

■ 141, 105, 146

■ 150, 105, 156

■ 159, 105, 167

Harmonies

Analogous

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



61, 100, 63



72, 105, 101



52, 85, 108

Triad

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



72, 105, 101



60, 87, 135



136, 83, 86

Complementary

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



72, 105, 101



101, 72, 105

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.



131, 84, 105



72, 105, 101



90, 94, 134

Square

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



72, 105, 101



32, 73, 126



115, 88, 123



130, 97, 69

Rectangle

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



72, 105, 101



37, 74, 108



115, 88, 123



135, 83, 92

Sweetspot

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



72, 105, 101



125, 138, 136



77, 105, 72



61, 69, 68



196, 196, 196



69, 69, 69

Same Dimension

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



72, 105, 101



85, 138, 131



72, 96, 105



48, 54, 53



0, 117, 103



0, 245, 215

Inverse Universe

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



101, 72, 105



131, 85, 138



105, 72, 93



53, 48, 54



103, 0, 117



215, 0, 245

Previews

White Background



This preview shows how the RYB color 72, 105, 101 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 72, 105, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

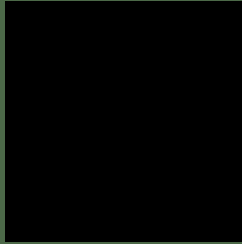
Any Text WCAG AA × Fail

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 72, 105, 101 Background



This preview shows how black text looks on a background with the R Y B color 72, 105, 101.



This preview shows how white text looks on a background with the R Y B color 72, 105, 101.

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

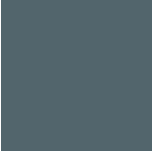
72, 105, 101

Protanopia

79, 105, 69

Deuteranopia

114, 108, 75



Tritanopia

82, 93, 108

Trichromacy



Original Color

72, 105, 101

Protanomaly

70, 100, 76

Deuteranomaly

77, 100, 74

Tritanomaly

80, 93, 102

Monochromacy



Original Color

72, 105, 101

Achromatopsia

93, 93, 93

Achromatomaly

85, 97, 95

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 105, 101 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, 105, 72)` looks like.

```
.text, #text, p{  
    color:rgb(76, 105, 72)  
}
```

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, 105, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 105, 72) }
```

Border

The CSS property to change the border of an element to RYB 72, 105, 101 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, 105, 72) }
```

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

```
.border{ border-color:rgb(76, 105, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 105, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 105, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 105, 72);  
box-shadow:4px 4px 4px 4px rgb(76, 105,  
72) }
```

Background

The CSS property to change the background color of an element to RGB 76, 105, 72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 105, 72) }
```

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

```
.background{ background-color: rgb(76, 105,  
72) }
```

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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