

Converting Colors

`RYB(72, 181, 172)`

Have a look what the booklet for
RYB(72, 181, 172) contains.

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Color

$\text{RYB}(72, 181, 172)$

Conversions

Conversions Part 1

Format	Color
Hex	51B548
RGB	81, 181, 72
RGB Percent	32%, 71%, 28%
CMY	0.6824, 0.2902, 0.7176
CMYK	0.55, 0.00, 0.60, 0.29
HSL	115°, 43%, 50%
HSV	115°, 60%, 71%
XYZ	21.0869, 35.2650, 11.8263
YIQ	138.6740, -24.6110, -55.0990

Conversions

Conversions Part 2

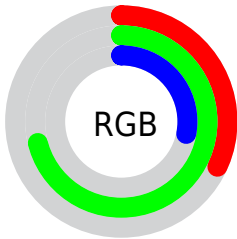
Format	Color
RYB	72, 181, 172
Decimal	5354824
CIELab	65.95, -50.56, 45.88
CIELCh	66, 68.274, 137.783
Yxy	35.2650, 0.3093, 0.5172
Android (android.graphics.Color)	4283544904 (0xFF51B548)
YUV	138.6740, -32.8703, -50.5801
Hunter-Lab	59.3843, -40.5386, 29.7615

Details

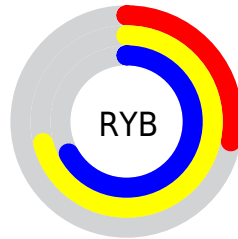
The RYB color **72, 181, 172** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **172, 72, 181**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **124, 238, 223**, and **1, 113, 127** is the 20% darker color. If you saturate the color by 10%, you get **54, 181, 171**, and if you desaturate by 10%, it is **90, 181, 173**.

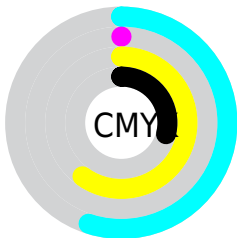
Distribution



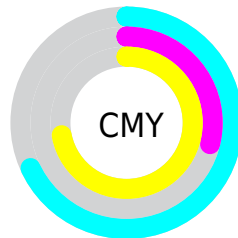
- Red (32%)
- Green (71%)
- Blue (28%)



- Red (28%)
- Yellow (71%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)



- Cyan (68%)
- Magenta (29%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 181, 172 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, 181, 172 by changing the saturation by 10% instead.



72, 181, 172



72, 181, 172

255, 255, 255



46, 154, 150



124, 238, 223



1, 113, 127



151, 255, 239



0, 101, 101



178, 255, 237



0, 76, 76



207, 255, 236



0, 52, 52



235, 255, 235



0, 29, 29



0, 0, 0



72, 181, 172



72, 181, 172



54, 181, 171



90, 181, 173

■ 36, 181, 169

■ 108, 181, 175

■ 18, 181, 168

■ 126, 181, 176

■ 0, 181, 166

■ 144, 181, 178

■ 163, 181, 180

■ 181, 181, 181

■ 197, 181, 199

■ 214, 181, 217

■ 230, 181, 235

Harmonies

Analogous

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



21, 168, 33



72, 181, 172



0, 110, 187

Triad

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



72, 181, 172



0, 103, 255



255, 102, 127

Complementary

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



72, 181, 172



172, 72, 181

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.



255, 104, 188



72, 181, 172



109, 143, 255

Square

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



72, 181, 172



0, 106, 250



209, 127, 243



252, 144, 71

Rectangle

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



72, 181, 172



0, 98, 189



209, 127, 243



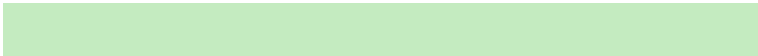
255, 99, 147

Sweetspot

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



72, 181, 172



192, 235, 231



82, 181, 72



91, 117, 114



245, 245, 245



117, 117, 117

Same Dimension

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



72, 181, 172



66, 235, 221



72, 149, 181



80, 89, 88



0, 153, 140



0, 26, 24

Inverse Universe

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



172, 72, 181



221, 66, 235



181, 72, 136



89, 80, 89



140, 0, 153



23, 0, 26

Previews

White Background



This preview shows how the RYB color 72, 181, 172 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 72, 181, 172 looks on a black 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 ✓ Pass

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

R Y B 72, 181, 172 Background



This preview shows how black text looks on a background with the R Y B color 72, 181, 172.



This preview shows how white text looks on a background with the R Y B color 72, 181, 172.

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, 181, 172

Protanopia
87, 177, 66

Deuteranopia
151, 196, 80



Tritanopia
105, 140, 183

Trichromacy



Original Color
72, 181, 172

Protanomaly
68, 167, 93

Deuteranomaly
77, 163, 86

Tritanomaly
96, 145, 174

Monochromacy



Original Color
72, 181, 172

Achromatopsia
139, 139, 139

Achromatomaly
115, 154, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 181, 172 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(81, 181, 72)` looks like.

```
.text, #text, p{  
    color:rgb(81, 181, 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(81, 181, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 181, 72) }
```

Border

The CSS property to change the border of an element to RYB 72, 181, 172 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(81, 181, 72) }
```

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

```
.border{ border-color:rgb(81, 181, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 181, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 181, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 181, 72);  
box-shadow:4px 4px 4px 4px rgb(81, 181,  
72) }
```

Background

The CSS property to change the background color of an element to RGB 72, 181, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 181, 72) }
```

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

```
.background{ background-color: rgb(81, 181,  
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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