

Converting Colors

`RYB(72, 176, 128)`

Have a look what the booklet for
RYB(72, 176, 128) contains.

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Color

`RYB(72, 176, 128)`

Conversions

Conversions Part 1

Format	Color
Hex	78B048
RGB	120, 176, 72
RGB Percent	47%, 69%, 28%
CMY	0.5294, 0.3098, 0.7176
CMYK	0.32, 0.00, 0.59, 0.31
HSL	92°, 42%, 49%
HSV	92°, 59%, 69%
XYZ	24.4408, 35.5116, 11.6972
YIQ	147.4000, 0.0080, -44.2160

Conversions

Conversions Part 2

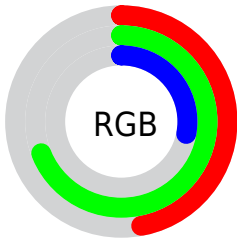
Format	Color
RYB	72, 176, 128
Decimal	7909448
CIELab	66.15, -36.12, 46.55
CIELCh	66, 58.923, 127.808
Yxy	35.5116, 0.3411, 0.4956
Android (android.graphics.Color)	4286099528 (0xFF78B048)
YUV	147.4000, -37.1722, -24.0298
Hunter-Lab	59.5916, -31.0758, 30.0762

Details

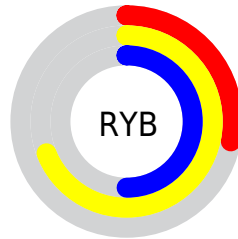
The RYB color **72, 176, 128** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **128, 72, 176**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **124, 232, 181**, and **18, 123, 75** is the 20% darker color. If you saturate the color by 10%, you get **54, 176, 119**, and if you desaturate by 10%, it is **90, 176, 137**.

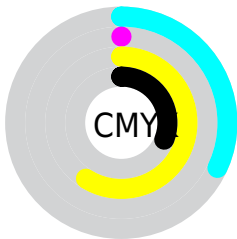
Distribution



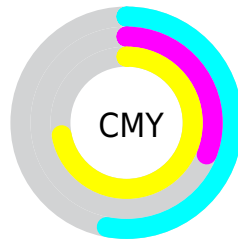
- Red (47%)
- Green (69%)
- Blue (28%)



- Red (28%)
- Yellow (69%)
- Blue (50%)



- Cyan (32%)
- Magenta (0%)
- Yellow (59%)
- Black (31%)



- Cyan (53%)
- Magenta (31%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 176, 128 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, 176, 128 by changing the saturation by 10% instead.



72, 176, 128



72, 176, 128

255, 255, 255



46, 149, 102



124, 232, 181



18, 123, 75



151, 255, 202



0, 98, 59



178, 255, 200



0, 73, 66



206, 255, 206



0, 50, 50



235, 255, 235



0, 30, 30



0, 0, 0



72, 176, 128



72, 176, 128



54, 176, 119



90, 176, 137

■ 37, 176, 112

■ 107, 176, 144

■ 19, 176, 103

■ 125, 176, 153

■ 2, 176, 96

■ 142, 176, 160

■ 0, 176, 95

■ 160, 176, 169

■ 177, 176, 178

■ 186, 176, 195

■ 196, 176, 213

■ 205, 176, 230

Harmonies

Analogous

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



61, 176, 47



72, 176, 128



2, 113, 184

Triad

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



72, 176, 128



0, 104, 255



255, 112, 149

Complementary

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



72, 176, 128



128, 72, 176

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.



236, 120, 202



72, 176, 128



80, 136, 255

Square

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



72, 176, 128



0, 101, 224



182, 141, 245



250, 128, 99

Rectangle

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



72, 176, 128



0, 101, 186



182, 141, 245



254, 113, 167

Sweetspot

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



72, 176, 128



188, 230, 211



165, 176, 72



90, 115, 104



242, 242, 242



115, 115, 115

Same Dimension

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



72, 176, 128



67, 230, 155



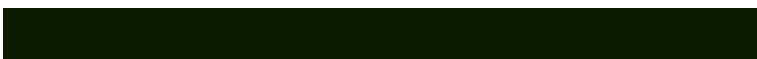
72, 173, 176



80, 89, 85



0, 153, 82



0, 26, 14

Inverse Universe

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



128, 72, 176



154, 67, 230



176, 72, 173



85, 80, 89



82, 0, 153



14, 0, 26

Previews

White Background



This preview shows how the RYB color 72, 176, 128 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, 176, 128 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](#).

RYB 72, 176, 128 Background



This preview shows how black text looks on a background with the RYB color 72, 176, 128.



This preview shows how white text looks on a background with the RYB color 72, 176, 128.

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, 176, 128

Protanopia
88, 178, 67

Deuteranopia
152, 197, 79



Tritanopia
135, 153, 178

Trichromacy



Original Color

72, 176, 128

Protanomaly

69, 166, 78

Deuteranomaly

85, 169, 76

Tritanomaly

130, 162, 169

Monochromacy



Original Color

72, 176, 128

Achromatopsia

147, 147, 147

Achromatomaly

120, 158, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 176, 128 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(120, 176, 72)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 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(120, 176, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 72) }
```

Border

The CSS property to change the border of an element to RYB 72, 176, 128 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(120, 176, 72) }
```

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

```
.border{ border-color:rgb(120, 176, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 176, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 72);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
72) }
```

Background

The CSS property to change the background color of an element to RGB 72, 176, 128 is called "background".

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

```
.background, #background, body{  
background: rgb(120, 176, 72) }
```

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

```
.background{ background-color: rgb(120,  
176, 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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