

Converting Colors

`RYB(76, 192, 149)`

Have a look what the booklet for
RYB(76, 192, 149) contains.

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Color

$\text{RYB}(76, 192, 149)$

Conversions

Conversions Part 1

Format	Color
Hex	77C04C
RGB	119, 192, 76
RGB Percent	47%, 75%, 30%
CMY	0.5333, 0.2471, 0.7020
CMYK	0.38, 0.00, 0.60, 0.25
HSL	98°, 48%, 53%
HSV	98°, 60%, 75%
XYZ	27.7619, 42.1430, 13.5087
YIQ	156.9490, -6.2720, -51.5520

Conversions

Conversions Part 2

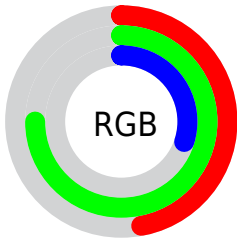
Format	Color
RYB	76, 192, 149
Decimal	7848012
CIELab	70.97, -43.12, 50.20
CIELCh	71, 66.175, 130.664
Yxy	42.1430, 0.3328, 0.5052
Android (android.graphics.Color)	4286038092 (0xFF77C04C)
YUV	156.9490, -39.9079, -33.2813
Hunter-Lab	64.9177, -37.2708, 33.1047

Details

The RYB color **76, 192, 149** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **149, 76, 192**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **129, 249, 203**, and **20, 138, 95** is the 20% darker color. If you saturate the color by 10%, you get **57, 192, 142**, and if you desaturate by 10%, it is **95, 192, 156**.

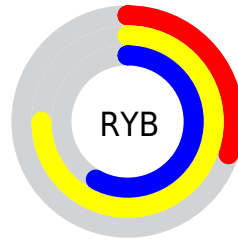
Distribution



Red (47%)

Green (75%)

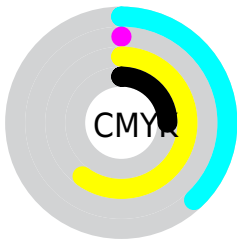
Blue (30%)



Red (30%)

Yellow (75%)

Blue (58%)

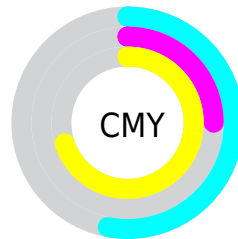


Cyan (38%)

Magenta (0%)

Yellow (60%)

Black (25%)



Cyan (53%)


Magenta (25%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 192, 149 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 76, 192, 149 by changing the saturation by 10% instead.

 76, 192, 149

255, 255, 255


 129, 249, 203


 156, 255, 207


 184, 255, 206


 212, 255, 212


 241, 255, 241

 76, 192, 149

 50, 165, 124

 20, 138, 95

 0, 112, 80


 0, 87, 87


 0, 63, 63

 0, 41, 41

 0, 7, 7

 0, 0, 0

 76, 192, 149

 76, 192, 149

■ 57, 192, 142

■ 95, 192, 156

■ 38, 192, 135

■ 114, 192, 163

■ 18, 192, 127

■ 134, 192, 171

■ 0, 192, 121

■ 153, 192, 178

■ 172, 192, 185

■ 191, 192, 192

■ 204, 192, 210

■ 216, 192, 230

■ 228, 192, 249

Harmonies

Analogous

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



48, 185, 41



76, 192, 149



0, 120, 200

Triad

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



76, 192, 149



0, 109, 255



255, 117, 155

Complementary

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



76, 192, 149



149, 76, 192

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, 124, 215



76, 192, 149



92, 146, 255

Square

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



76, 192, 149



0, 111, 251



205, 148, 255



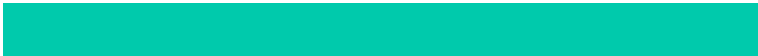
255, 141, 98

Rectangle

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



76, 192, 149



0, 109, 202



205, 148, 255



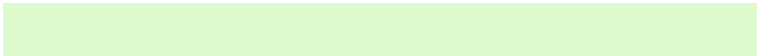
255, 117, 175

Sweetspot

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



76, 192, 149



205, 250, 233



147, 192, 76



97, 125, 114



252, 252, 252



125, 125, 125

Same Dimension

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



76, 192, 149



67, 250, 182



76, 180, 192



87, 97, 93



0, 161, 101



0, 33, 21

Inverse Universe

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



149, 76, 192



182, 67, 250



192, 76, 178



93, 87, 97



101, 0, 161



21, 0, 33

Previews

White Background



This preview shows how the RYB color 76, 192, 149 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 76, 192, 149 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 76, 192, 149 Background



This preview shows how black text looks on a background with the RYB color 76, 192, 149.

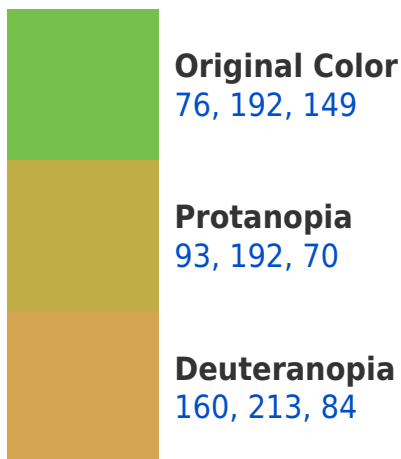


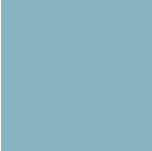
This preview shows how white text looks on a background with the RYB color 76, 192, 149.

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





Tritanopia
138, 162, 194

Trichromacy



Original Color

76, 192, 149



Protanomaly

72, 180, 87



Deuteranomaly

85, 179, 81



Tritanomaly

131, 169, 184

Monochromacy



Original Color

76, 192, 149



Achromatopsia

157, 157, 157



Achromatomaly

128, 170, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 192, 149 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(119, 192, 76)` looks like.

```
.text, #text, p{  
    color:rgb(119, 192, 76)  
}
```

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(119, 192, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 192, 76) }
```

Border

The CSS property to change the border of an element to RYB 76, 192, 149 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(119, 192, 76) }
```

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

```
.border{ border-color:rgb(119, 192, 76) }
```

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

Here you see how a box with a 4 pixel rgb(119, 192, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 192, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 192, 76);  
box-shadow:4px 4px 4px 4px rgb(119, 192,  
76) }
```

Background

The CSS property to change the background color of an element to RGB 76, 192, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 192, 76) }
```

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

```
.background{ background-color: rgb(119,  
192, 76) }
```

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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