

Converting Colors

`RYB(76, 176, 118)`

Have a look what the booklet for
RYB(76, 176, 118) contains.

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Color

R_YB(76, 176, 118)

Conversions

Conversions Part 1

Format	Color
Hex	86B04C
RGB	134, 176, 76
RGB Percent	53%, 69%, 30%
CMY	0.4745, 0.3098, 0.7020
CMYK	0.24, 0.00, 0.57, 0.31
HSL	85°, 40%, 49%
HSV	85°, 57%, 69%
XYZ	26.6614, 36.6408, 12.5047
YIQ	152.0420, 7.0680, -40.0040

Conversions

Conversions Part 2

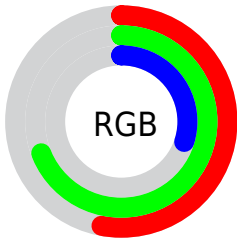
Format	Color
RYB	76, 176, 118
Decimal	8826956
CIELab	67.01, -30.48, 45.90
CIELCh	67, 55.100, 123.589
Yxy	36.6408, 0.3517, 0.4833
Android (android.graphics.Color)	4287017036 (0xFF86B04C)
YUV	152.0420, -37.4887, -15.8228
Hunter-Lab	60.5316, -27.3095, 30.1240

Details

The RYB color **76, 176, 118** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **118, 76, 176**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **128, 232, 171**, and **23, 123, 65** is the 20% darker color. If you saturate the color by 10%, you get **58, 176, 107**, and if you desaturate by 10%, it is **94, 176, 129**.

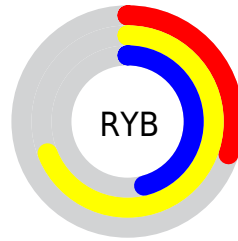
Distribution



Red (53%)

Green (69%)

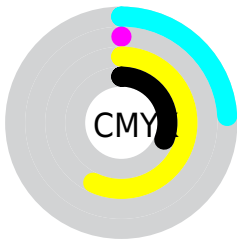
Blue (30%)



Red (30%)

Yellow (69%)

Blue (46%)

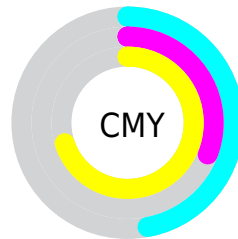


Cyan (24%)

Magenta (0%)

Yellow (57%)

Black (31%)



Cyan (47%)
















Magenta (31%)





Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 176, 118 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, 176, 118 by changing the saturation by 10% instead.

 76, 176, 118	 76, 176, 118
 255, 255, 255	 50, 149, 92
 128, 232, 171	 23, 123, 65
 155, 255, 192	 0, 98, 43
 182, 255, 190	 0, 74, 44
 211, 255, 211	 0, 51, 51
 239, 255, 239	 0, 32, 32
	 0, 0, 0

 76, 176, 118	 76, 176, 118
 58, 176, 107	 94, 176, 129

■ 41, 176, 98

■ 111, 176, 138

■ 23, 176, 87

■ 129, 176, 149

■ 6, 176, 78

■ 146, 176, 158

■ 0, 176, 74

■ 164, 176, 169

■ 178, 176, 182

■ 186, 176, 199

■ 193, 176, 217

■ 201, 176, 234

Harmonies

Analogous

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



86, 185, 58



76, 176, 118



61, 146, 184

Triad

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



76, 176, 118



0, 105, 251



253, 119, 159

Complementary

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



76, 176, 118



118, 76, 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.



229, 128, 208



76, 176, 118



75, 136, 255

Square

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



76, 176, 118



0, 100, 217



174, 148, 246



251, 129, 111

Rectangle

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



76, 176, 118



0, 104, 187



174, 148, 246



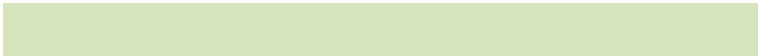
248, 120, 176

Sweetspot

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



76, 176, 118



190, 230, 207



176, 148, 76



92, 115, 102



242, 242, 242



115, 115, 115

Same Dimension

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



76, 176, 118



73, 230, 139



76, 176, 168



80, 89, 83



0, 153, 64



0, 26, 11

Inverse Universe

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



118, 76, 176



139, 73, 230



168, 76, 176



84, 80, 89



64, 0, 153



11, 0, 26

Previews

White Background



This preview shows how the RYB color 76, 176, 118 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, 176, 118 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 76, 176, 118 Background



This preview shows how black text looks on a background with the R Y B color 76, 176, 118.



This preview shows how white text looks on a background with the R Y B color 76, 176, 118.

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

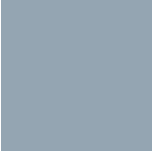
76, 176, 118

Protanopia

94, 181, 72

Deuteranopia

155, 200, 82



Tritanopia
148, 159, 178

Trichromacy



Original Color

76, 176, 118

Protanomaly

73, 168, 77

Deuteranomaly

95, 176, 80

Tritanomaly

141, 169, 167

Monochromacy



Original Color

76, 176, 118

Achromatopsia

152, 152, 152

Achromatomaly

124, 161, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 176, 118 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(134, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(134, 176, 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(134, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 176, 76) }
```

Border

The CSS property to change the border of an element to RYB 76, 176, 118 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(134, 176, 76) }
```

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

```
.border{ border-color:rgb(134, 176, 76) }
```

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

Here you see how a box with a 4 pixel rgb(134, 176, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(134, 176,  
76) }
```

Background

The CSS property to change the background color of an element to RYB 76, 176, 118 is called "background".

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

```
.background, #background, body{  
background: rgb(134, 176, 76) }
```

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

```
.background{ background-color: rgb(134,  
176, 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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