

Converting Colors

`RYB(76, 151, 135)`

Have a look what the booklet for
RYB(76, 151, 135) contains.

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Color

R_YB(76, 151, 135)

Conversions

Conversions Part 1

Format	Color
Hex	5C974C
RGB	92, 151, 76
RGB Percent	36%, 59%, 30%
CMY	0.6392, 0.4078, 0.7020
CMYK	0.39, 0.00, 0.50, 0.41
HSL	107°, 33%, 45%
HSV	107°, 50%, 59%
XYZ	16.7847, 24.9303, 10.7649
YIQ	124.8090, -11.0890, -35.8330

Conversions

Conversions Part 2

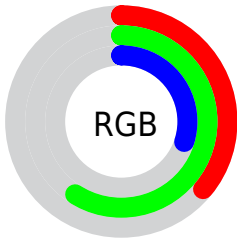
Format	Color
RYB	76, 151, 135
Decimal	6068044
CIELab	57.01, -34.17, 33.40
CIElCh	57, 47.778, 135.656
Yxy	24.9303, 0.3198, 0.4750
Android (android.graphics.Color)	4284258124 (0xFF5C974C)
YUV	124.8090, -24.0628, -28.7735
Hunter-Lab	49.9303, -27.3728, 22.1684

Details

The RYB color **76, 151, 135** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **135, 76, 151**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **126, 206, 187**, and **28, 99, 87** is the 20% darker color. If you saturate the color by 10%, you get **61, 151, 132**, and if you desaturate by 10%, it is **91, 151, 138**.

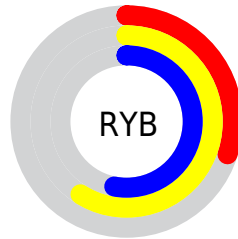
Distribution



Red (36%)

Green (59%)

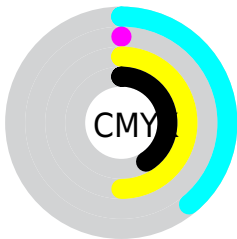
Blue (30%)



Red (30%)

Yellow (59%)

Blue (53%)

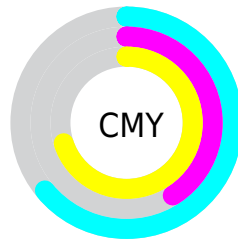


Cyan (39%)

Magenta (0%)

Yellow (50%)

Black (41%)



Cyan (64%)

Magenta (41%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 151, 135 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, 151, 135 by changing the saturation by 10% instead.

 76, 151, 135  76, 151, 135

255, 255, 255  52, 125, 111

 126, 206, 187  28, 99, 87

 153, 234, 214  3, 75, 71

 180, 255, 234  0, 52, 52

 208, 255, 234  0, 32, 32

 236, 255, 236  0, 0, 0

 76, 151, 135  76, 151, 135

 61, 151, 132  91, 151, 138

 46, 151, 129  106, 151, 141

■ 31, 151, 126

■ 121, 151, 144

■ 16, 151, 123

■ 136, 151, 147

■ 0, 151, 118

■ 151, 151, 152

■ 0, 151, 119

■ 163, 151, 167

■ 175, 151, 182

■ 187, 151, 197

■ 199, 151, 212

Harmonies

Analogous

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



52, 141, 54



76, 151, 135



0, 90, 156

Triad

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



76, 151, 135



0, 88, 217



214, 101, 117

Complementary

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



76, 151, 135



135, 76, 151

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.



203, 103, 159



76, 151, 135



104, 128, 217

Square

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



76, 151, 135



0, 86, 195



167, 117, 195



204, 124, 79

Rectangle

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



76, 151, 135



0, 83, 158



167, 117, 195



213, 100, 131

Sweetspot

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



76, 151, 135



167, 196, 190



96, 151, 76



82, 99, 96



227, 227, 227



99, 99, 99

Same Dimension

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



76, 151, 135



79, 196, 171



76, 135, 151



69, 77, 76



0, 140, 110



0, 13, 10

Inverse Universe

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



135, 76, 151



171, 79, 196



151, 76, 130



75, 69, 77



110, 0, 140



10, 0, 13

Previews

White Background



This preview shows how the RYB color 76, 151, 135 looks on a white 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

Black Background



This preview shows how the RYB color 76, 151, 135 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 × Fail

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

R Y B 76, 151, 135 Background



This preview shows how black text looks on a background with the R Y B color 76, 151, 135.



This preview shows how white text looks on a background with the R Y B color 76, 151, 135.

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, 151, 135

Protanopia

88, 150, 71

Deuteranopia

141, 165, 81



Tritanopia
106, 127, 154

Trichromacy



Original Color
76, 151, 135

Protanomaly
73, 141, 85

Deuteranomaly
79, 138, 79

Tritanomaly
101, 129, 145

Monochromacy



Original Color
76, 151, 135

Achromatopsia
125, 125, 125

Achromatomaly
107, 134, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 151, 135 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(92, 151, 76)` looks like.

```
.text, #text, p{  
    color:rgb(92, 151, 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(92, 151, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 151, 76) }
```

Border

The CSS property to change the border of an element to RYB 76, 151, 135 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(92, 151, 76) }
```

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

```
.border{ border-color:rgb(92, 151, 76) }
```

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

Here you see how a box with a 4 pixel rgb(92, 151, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 151, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 151, 76);  
box-shadow:4px 4px 4px 4px rgb(92, 151,  
76) }
```

Background

The CSS property to change the background color of an element to RYB 76, 151, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 151, 76) }
```

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

```
.background{ background-color: rgb(92, 151,  
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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