

Converting Colors

`RYB(74, 176, 145)`

Have a look what the booklet for
RYB(74, 176, 145) contains.

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Color

$\text{RYB}(74, 176, 145)$

Conversions

Conversions Part 1

Format	Color
Hex	69B04A
RGB	105, 176, 74
RGB Percent	41%, 69%, 29%
CMY	0.5882, 0.3098, 0.7098
CMYK	0.40, 0.00, 0.58, 0.31
HSL	102°, 41%, 49%
HSV	102°, 58%, 69%
XYZ	22.5871, 34.5483, 11.9566
YIQ	143.1430, -9.5740, -46.7740

Conversions

Conversions Part 2

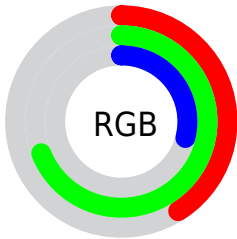
Format	Color
RYB	74, 176, 145
Decimal	6926410
CIELab	65.40, -41.14, 44.56
CIELCh	65, 60.650, 132.713
Yxy	34.5483, 0.3269, 0.5000
Android (android.graphics.Color)	4285116490 (0xFF69B04A)
YUV	143.1430, -34.0875, -33.4514
Hunter-Lab	58.7778, -34.2675, 29.0837

Details

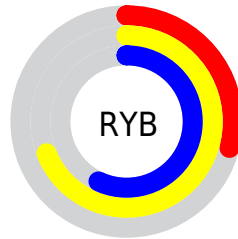
The RYB color **74, 176, 145** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **145, 74, 176**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **126, 232, 198**, and **21, 123, 94** is the 20% darker color. If you saturate the color by 10%, you get **56, 176, 139**, and if you desaturate by 10%, it is **92, 176, 151**.

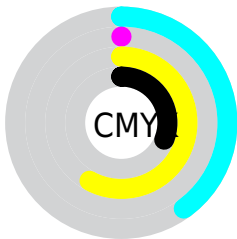
Distribution



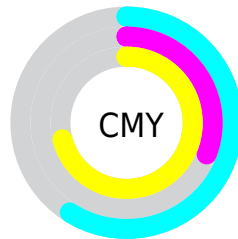
- Red (41%)
- Green (69%)
- Blue (29%)



- Red (29%)
- Yellow (69%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (58%)
- Black (31%)




- Cyan (59%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 74, 176, 145 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 74, 176, 145 by changing the saturation by 10% instead.

 74, 176, 145

255, 255, 255


 126, 232, 198


 153, 255, 220


 180, 255, 218


 208, 255, 216

 237, 255, 237

 74, 176, 145

 49, 149, 120

 21, 123, 94


 0, 97, 81


 0, 73, 73


 0, 49, 49


 0, 27, 27

 0, 0, 0

 74, 176, 145

 56, 176, 139

 74, 176, 145

 92, 176, 151

■ 39, 176, 135

■ 109, 176, 155

■ 21, 176, 129

■ 127, 176, 161

■ 4, 176, 124

■ 144, 176, 166

■ 0, 176, 123

■ 162, 176, 172

■ 179, 176, 180

■ 191, 176, 197

■ 203, 176, 215

■ 215, 176, 232

Harmonies

Analogous

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



45, 166, 42



74, 176, 145



0, 109, 183

Triad

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



74, 176, 145



0, 103, 255



255, 109, 138

Complementary

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



74, 176, 145



145, 74, 176

Split Complementary

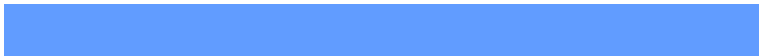
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



241, 114, 192



74, 176, 145



97, 140, 255

Square

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



74, 176, 145



0, 102, 231



191, 134, 239



247, 133, 87

Rectangle

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



74, 176, 145



0, 99, 185



191, 134, 239



255, 108, 156

Sweetspot

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



74, 176, 145



190, 230, 218



121, 176, 74



92, 115, 108



242, 242, 242



115, 115, 115

Same Dimension

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



74, 176, 145



69, 230, 181



74, 160, 176



80, 89, 86



0, 153, 107



0, 26, 18

Inverse Universe

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



145, 74, 176



181, 69, 230



176, 74, 157



87, 80, 89



107, 0, 153



18, 0, 26

Previews

White Background



This preview shows how the RYB color 74, 176, 145 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 74, 176, 145 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 74, 176, 145 Background



This preview shows how black text looks on a background with the RYB color 74, 176, 145.



This preview shows how white text looks on a background with the RYB color 74, 176, 145.

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
74, 176, 145

Protanopia
91, 176, 69

Deuteranopia
153, 194, 81



Tritanopia

123, 147, 178

Trichromacy



Original Color

74, 176, 145

Protanomaly

71, 165, 86

Deuteranomaly

81, 162, 78

Tritanomaly

116, 152, 169

Monochromacy



Original Color

74, 176, 145

Achromatopsia

143, 143, 143

Achromatomaly

118, 155, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 176, 145 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(105, 176, 74)` looks like.

```
.text, #text, p{  
    color:rgb(105, 176, 74)  
}
```

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(105, 176, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 176, 74) }
```

Border

The CSS property to change the border of an element to RYB 74, 176, 145 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(105, 176, 74) }
```

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

```
.border{ border-color:rgb(105, 176, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 176, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 176, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 176, 74);  
box-shadow:4px 4px 4px 4px rgb(105, 176,  
74) }
```

Background

The CSS property to change the background color of an element to RYB 74, 176, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 176, 74) }
```

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

```
.background{ background-color: rgb(105,  
176, 74) }
```

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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