

Converting Colors

`RYB(75, 194, 179)`

Have a look what the booklet for
RYB(75, 194, 179) contains.

RYB(75, 194, 179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(75, 194, 179)`

Conversions

Conversions Part 1

Format	Color
Hex	5AC24B
RGB	90, 194, 75
RGB Percent	35%, 76%, 29%
CMY	0.6471, 0.2392, 0.7059
CMYK	0.54, 0.00, 0.61, 0.24
HSL	112°, 49%, 53%
HSV	112°, 61%, 76%
XYZ	24.7782, 41.2652, 13.3156
YIQ	149.3380, -23.7850, -59.0570

Conversions

Conversions Part 2

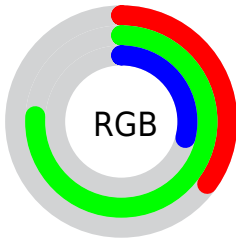
Format	Color
RYB	75, 194, 179
Decimal	5947979
CIELab	70.36, -52.84, 49.63
CIELCh	70, 72.489, 136.796
Yxy	41.2652, 0.3122, 0.5200
Android (android.graphics.Color)	4284138059 (0xFF5AC24B)
YUV	149.3380, -36.6486, -52.0394
Hunter-Lab	64.2380, -43.5646, 32.6766

Details

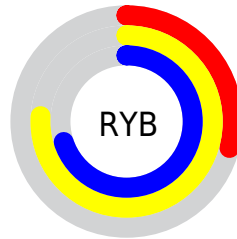
The RYB color **75, 194, 179** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **179, 75, 194**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **128, 251, 231**, and **18, 138, 139** is the 20% darker color. If you saturate the color by 10%, you get **56, 194, 177**, and if you desaturate by 10%, it is **94, 194, 181**.

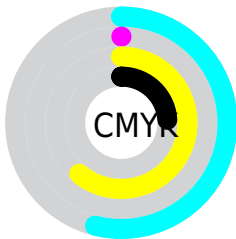
Distribution



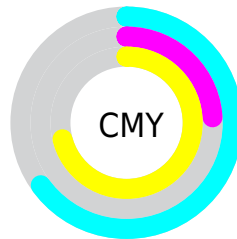
- Red (35%)
- Green (76%)
- Blue (29%)



- Red (29%)
- Yellow (76%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (61%)
- Black (24%)



- Cyan (65%)
- Magenta (24%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 194, 179 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 75, 194, 179 by changing the saturation by 10% instead.



75, 194, 179



75, 194, 179

255, 255, 255



49, 166, 156



128, 251, 231



18, 138, 139



155, 255, 233



0, 113, 113



183, 255, 231



0, 87, 87



211, 255, 230



0, 63, 63



240, 255, 240



0, 41, 41



0, 2, 2



0, 0, 0



75, 194, 179



75, 194, 179

■ 56, 194, 177

■ 94, 194, 181

■ 36, 194, 174

■ 114, 194, 184

■ 17, 194, 172

■ 133, 194, 186

■ 0, 194, 170

■ 153, 194, 189

■ 172, 194, 191

■ 191, 194, 193

■ 209, 194, 211

■ 226, 194, 230

■ 243, 194, 250

Harmonies

Analogous

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



19, 180, 29



75, 194, 179



0, 118, 201

Triad

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



75, 194, 179



0, 108, 255



255, 108, 138

Complementary

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



75, 194, 179



179, 75, 194

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, 111, 204



75, 194, 179



111, 151, 255

Square

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



75, 194, 179



0, 112, 255



222, 138, 255



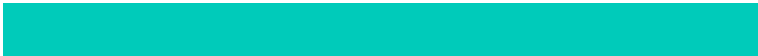
255, 155, 77

Rectangle

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



75, 194, 179



0, 106, 203



222, 138, 255



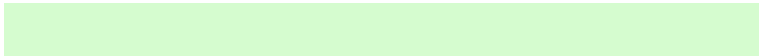
255, 106, 160

Sweetspot

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



75, 194, 179



207, 252, 246



93, 194, 75



99, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



75, 194, 179



66, 252, 229



75, 162, 194



87, 97, 96



0, 161, 141



0, 33, 29

Inverse Universe

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



179, 75, 194



229, 66, 252



194, 75, 150



96, 87, 97



140, 0, 161



29, 0, 33

Previews

White Background



This preview shows how the RYB color 75, 194, 179 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 75, 194, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

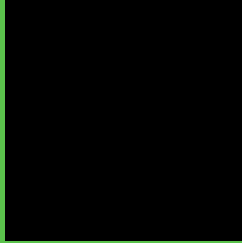
Any Text WCAG AA ✓ Pass

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 75, 194, 179 Background



This preview shows how black text looks on a background with the RYB color 75, 194, 179.

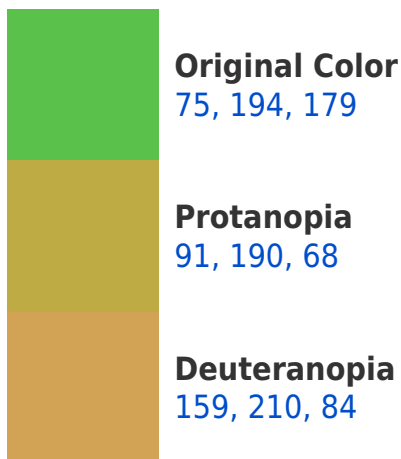


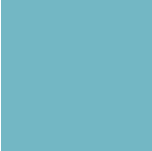
This preview shows how white text looks on a background with the RYB color 75, 194, 179.

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
115, 152, 196

Trichromacy



Original Color

75, 194, 179



Protanomaly

71, 179, 96



Deuteranomaly

81, 174, 89



Tritanomaly

106, 157, 186

Monochromacy



Original Color

75, 194, 179



Achromatopsia

149, 149, 149



Achromatomaly

122, 165, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 194, 179 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(90, 194, 75)` looks like.

```
.text, #text, p{  
    color:rgb(90, 194, 75)  
}
```

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(90, 194, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 194, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 194, 179 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(90, 194, 75) }
```

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

```
.border{ border-color:rgb(90, 194, 75) }
```

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

Here you see how a box with a 4 pixel rgb(90, 194, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 194, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 194, 75);  
box-shadow:4px 4px 4px 4px rgb(90, 194,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 75, 194, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 194, 75) }
```

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

```
.background{ background-color: rgb(90, 194,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor