

Converting Colors

`RYB(90, 205, 194)`

Have a look what the booklet for
RYB(90, 205, 194) contains.

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Color

R_YB(90, 205, 194)

Conversions

Conversions Part 1

Format	Color
Hex	65CD5A
RGB	101, 205, 90
RGB Percent	40%, 80%, 35%
CMY	0.6039, 0.1961, 0.6471
CMYK	0.51, 0.00, 0.56, 0.20
HSL	114°, 53%, 58%
HSV	114°, 56%, 80%
XYZ	29.0436, 47.1675, 17.2463
YIQ	160.7940, -25.0690, -57.8130

Conversions

Conversions Part 2

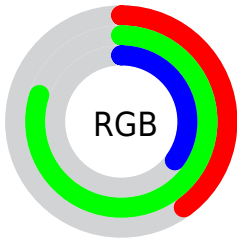
Format	Color
RYB	90, 205, 194
Decimal	6671706
CIELab	74.30, -52.43, 47.47
CIELCh	74, 70.732, 137.844
Yxy	47.1675, 0.3108, 0.5047
Android (android.graphics.Color)	4284861786 (0xFF65CD5A)
YUV	160.7940, -34.9014, -52.4393
Hunter-Lab	68.6786, -44.7014, 33.1863

Details

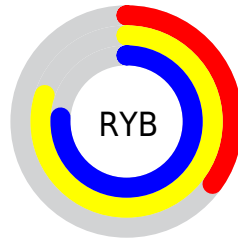
The RYB color **90, 205, 194** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **194, 90, 205**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **143, 255, 239**, and **37, 150, 150** is the 20% darker color. If you saturate the color by 10%, you get **70, 205, 193**, and if you desaturate by 10%, it is **111, 205, 196**.

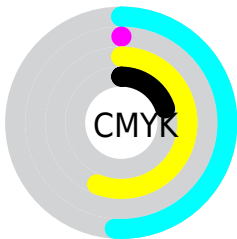
Distribution



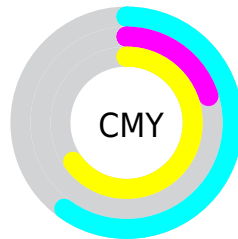
- Red (40%)
- Green (80%)
- Blue (35%)



- Red (35%)
- Yellow (80%)
- Blue (76%)



- Cyan (51%)
- Magenta (0%)
- Yellow (56%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 205, 194 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 90, 205, 194 by changing the saturation by 10% instead.



90, 205, 194



90, 205, 194

255, 255, 255



64, 177, 170



143, 255, 239



37, 150, 150



170, 255, 237



0, 120, 123



198, 255, 236



0, 97, 97



227, 255, 235



0, 72, 72



0, 49, 49



0, 24, 24



0, 0, 0



90, 205, 194




90, 205, 194

 70, 205, 193

 111, 205, 196

 49, 205, 190

 131, 205, 198

 29, 205, 189

 152, 205, 200

 8, 205, 186

 172, 205, 202

 0, 205, 185

 193, 205, 204

 212, 205, 213

 231, 205, 234

 249, 205, 254

 255, 205, 255

Harmonies

Analogous

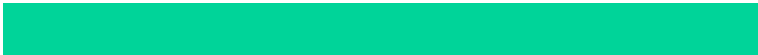
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43, 191, 55



90, 205, 194



0, 123, 212

Triad

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



90, 205, 194



0, 111, 255



255, 123, 147

Complementary

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



90, 205, 194



194, 90, 205

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, 125, 212



90, 205, 194



132, 164, 255

Square

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



90, 205, 194



0, 115, 255



235, 148, 255



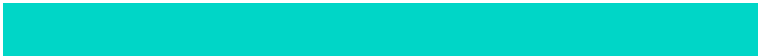
255, 172, 88

Rectangle

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



90, 205, 194



0, 111, 214



235, 148, 255



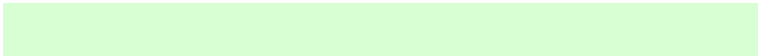
255, 120, 168

Sweetspot

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



90, 205, 194



212, 255, 251



102, 205, 90



102, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



90, 205, 194



84, 255, 239



90, 172, 205



92, 102, 101



0, 166, 150



0, 38, 34

Inverse Universe

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



194, 90, 205



239, 84, 255



205, 90, 159



101, 92, 102



150, 0, 166



35, 0, 38

Previews

White Background



This preview shows how the RYB color 90, 205, 194 looks on a white background.

Color Contrast Check

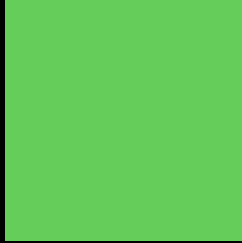
Large Text (above 18pt) WCAG AA × Fail

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 90, 205, 194 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 90, 205, 194 Background



This preview shows how black text looks on a background with the RYB color 90, 205, 194.

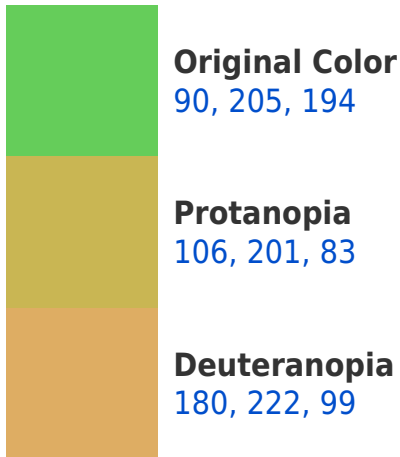


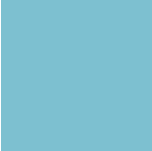
This preview shows how white text looks on a background with the RYB color 90, 205, 194.

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





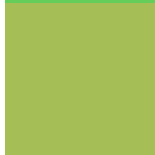
Tritanopia
125, 162, 208

Trichromacy



Original Color

90, 205, 194



Protanomaly

86, 190, 111



Deuteranomaly

96, 185, 103



Tritanomaly

116, 166, 197

Monochromacy



Original Color

90, 205, 194



Achromatopsia

161, 161, 161



Achromatomaly

135, 177, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 205, 194 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(101, 205, 90)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 90)  
}
```

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(101, 205, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 90) }
```

Border

The CSS property to change the border of an element to RYB 90, 205, 194 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(101, 205, 90) }
```

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

```
.border{ border-color:rgb(101, 205, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 90);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
90) }
```

Background

The CSS property to change the background color of an element to RYB 90, 205, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 90) }
```

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

```
.background{ background-color: rgb(101,  
205, 90) }
```

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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