

Converting Colors

`RYB(93, 202, 177)`

Have a look what the booklet for
RYB(93, 202, 177) contains.

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Color

R_YB(93, 202, 177)

Conversions

Conversions Part 1

Format	Color
Hex	76CA5D
RGB	118, 202, 93
RGB Percent	46%, 79%, 36%
CMY	0.5373, 0.2078, 0.6353
CMYK	0.42, 0.00, 0.54, 0.21
HSL	106°, 51%, 58%
HSV	106°, 54%, 79%
XYZ	30.5675, 46.8829, 17.7942
YIQ	164.4580, -15.0750, -51.7070

Conversions

Conversions Part 2

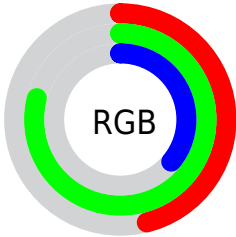
Format	Color
RYB	93, 202, 177
Decimal	7785053
CIELab	74.11, -45.86, 46.02
CIELCh	74, 64.972, 134.898
Yxy	46.8829, 0.3209, 0.4922
Android (android.graphics.Color)	4285975133 (0xFF76CA5D)
YUV	164.4580, -35.2288, -40.7437
Hunter-Lab	68.4711, -40.1368, 32.5216

Details

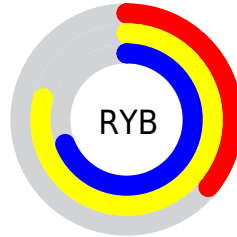
The RYB color **93, 202, 177** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **177, 93, 202**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **146, 255, 227**, and **41, 147, 127** is the 20% darker color. If you saturate the color by 10%, you get **73, 202, 173**, and if you desaturate by 10%, it is **113, 202, 181**.

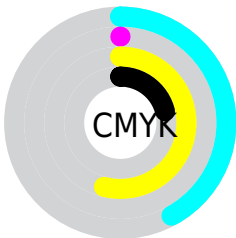
Distribution



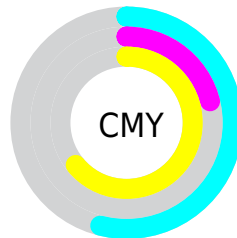
- Red (46%)
- Green (79%)
- Blue (36%)



- Red (36%)
- Yellow (79%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (54%)
- Black (21%)



- Cyan (54%)
- Magenta (21%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 93, 202, 177 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 93, 202, 177 by changing the saturation by 10% instead.



93, 202, 177



93, 202, 177

255, 255, 255



67, 174, 151



146, 255, 227



41, 147, 127



173, 255, 225



11, 121, 103



201, 255, 223



0, 95, 95



230, 255, 230



0, 71, 71



0, 48, 48



0, 23, 23



0, 0, 0



93, 202, 177



93, 202, 177

■ 73, 202, 173

■ 113, 202, 181

■ 53, 202, 168

■ 133, 202, 186

■ 32, 202, 163

■ 154, 202, 191

■ 12, 202, 158

■ 174, 202, 196

■ 0, 202, 156

■ 194, 202, 200

■ 211, 202, 214

■ 227, 202, 234

■ 243, 202, 255

■ 255, 202, 255

Harmonies

Analogous

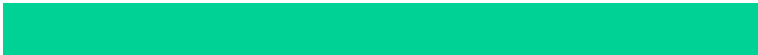
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57, 188, 59



93, 202, 177



0, 122, 209

Triad

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



93, 202, 177



0, 111, 255



255, 129, 155

Complementary

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



93, 202, 177



177, 93, 202

Split Complementary

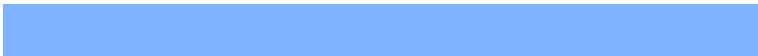
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 132, 215



93, 202, 177



127, 164, 255

Square

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



93, 202, 177



0, 115, 255



224, 154, 255



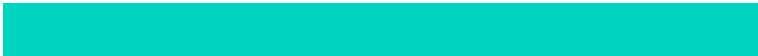
255, 163, 100

Rectangle

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



93, 202, 177



0, 111, 211



224, 154, 255



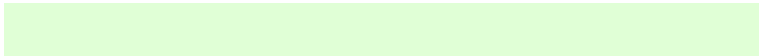
255, 127, 175

Sweetspot

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



93, 202, 177



214, 255, 245



125, 202, 93



103, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



93, 202, 177



89, 255, 217



93, 179, 202



92, 102, 100



0, 166, 128



0, 38, 29

Inverse Universe

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



177, 93, 202



217, 89, 255



202, 93, 173



100, 92, 102



128, 0, 166



29, 0, 38

Previews

White Background



This preview shows how the RYB color 93, 202, 177 looks on a white background.

Color Contrast Check

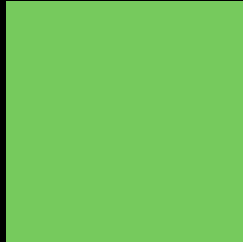
Large Text (above 18pt) WCAG AA × Fail

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 93, 202, 177 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 93, 202, 177 Background



This preview shows how black text looks on a background with the RYB color 93, 202, 177.

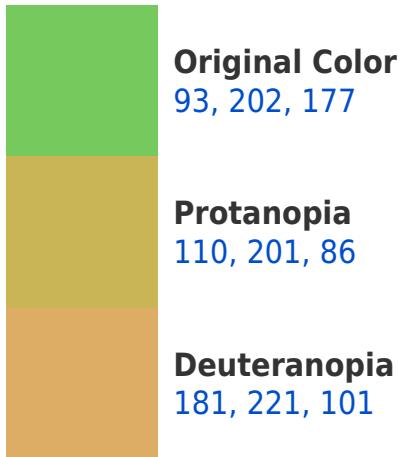


This preview shows how white text looks on a background with the RYB color 93, 202, 177.

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
138, 167, 205

Trichromacy



Original Color

93, 202, 177



Protanomaly

89, 189, 107



Deuteranomaly

98, 184, 98



Tritanomaly

131, 172, 194

Monochromacy



Original Color

93, 202, 177



Achromatopsia

164, 164, 164



Achromatomaly

138, 178, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 202, 177 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(118, 202, 93)` looks like.

```
.text, #text, p{  
    color:rgb(118, 202, 93)  
}
```

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(118, 202, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 202, 93) }
```

Border

The CSS property to change the border of an element to RYB 93, 202, 177 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(118, 202, 93) }
```

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

```
.border{ border-color:rgb(118, 202, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 202, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 202, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 202, 93);  
box-shadow:4px 4px 4px 4px rgb(118, 202,  
93) }
```

Background

The CSS property to change the background color of an element to RGB 93, 202, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 202, 93) }
```

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

```
.background{ background-color: rgb(118,  
202, 93) }
```

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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