

Converting Colors

`RYB(103, 203, 186)`

Have a look what the booklet for
RYB(103, 203, 186) contains.

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Color

R_YB(103, 203, 186)

Conversions

Conversions Part 1

Format	Color
Hex	78CB67
RGB	120, 203, 103
RGB Percent	47%, 80%, 40%
CMY	0.5294, 0.2039, 0.5961
CMYK	0.41, 0.00, 0.49, 0.20
HSL	110°, 49%, 60%
HSV	110°, 49%, 80%
XYZ	31.5498, 47.6842, 20.3731
YIQ	166.7830, -17.3680, -48.6960

Conversions

Conversions Part 2

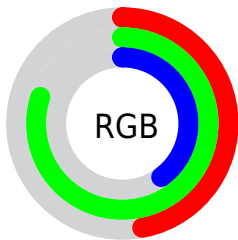
Format	Color
RYB	103, 203, 186
Decimal	7916391
CIELab	74.63, -44.43, 41.86
CIELCh	75, 61.042, 136.707
Yxy	47.6842, 0.3167, 0.4787
Android (android.graphics.Color)	4286106471 (0xFF78CB67)
YUV	166.7830, -31.4450, -41.0287
Hunter-Lab	69.0538, -39.2895, 30.8452

Details

The RYB color **103, 203, 186** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **186, 103, 203**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **156, 255, 235**, and **52, 148, 136** is the 20% darker color. If you saturate the color by 10%, you get **83, 203, 183**, and if you desaturate by 10%, it is **123, 203, 189**.

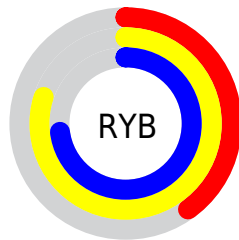
Distribution



Red (47%)

Green (80%)

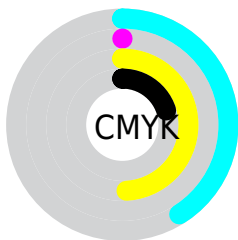
Blue (40%)



Red (40%)

Yellow (80%)

Blue (73%)

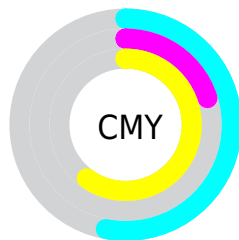


Cyan (41%)

Magenta (0%)

Yellow (49%)

Black (20%)



Cyan (53%)

Magenta (20%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 203, 186 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 103, 203, 186 by changing the saturation by 10% instead.

 103, 203, 186

255, 255, 255


 156, 255, 235

 183, 255, 233


 211, 255, 232


 240, 255, 240

 103, 203, 186

 78, 175, 161

 52, 148, 136

 26, 122, 115

 0, 96, 96

 0, 72, 72

 0, 48, 48

 0, 25, 25

 0, 0, 0

 103, 203, 186

 103, 203, 186

 83, 203, 183

 123, 203, 189

 62, 203, 179

 144, 203, 193

 42, 203, 176

 164, 203, 196


 22, 203, 172

 184, 203, 200

 2, 203, 169

 204, 203, 205

 0, 203, 168

 221, 203, 225

 238, 203, 245

 255, 203, 255

Harmonies

Analogous

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



69, 190, 74



103, 203, 186



0, 120, 210

Triad

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



103, 203, 186



0, 111, 255



255, 135, 154

Complementary

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



103, 203, 186



186, 103, 203

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, 137, 211



103, 203, 186



142, 170, 255

Square

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



103, 203, 186



0, 115, 255



227, 156, 255



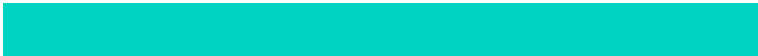
255, 170, 104

Rectangle

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



103, 203, 186



0, 110, 211



227, 156, 255



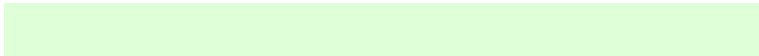
255, 133, 173

Sweetspot

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



103, 203, 186



217, 255, 249



125, 203, 103



105, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



103, 203, 186



105, 255, 230



103, 179, 203



92, 102, 100



0, 166, 138



0, 38, 31

Inverse Universe

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



186, 103, 203



229, 105, 255



203, 103, 171



100, 92, 102



138, 0, 166



32, 0, 38

Previews

White Background



This preview shows how the RYB color 103, 203, 186 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 103, 203, 186 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 103, 203, 186 Background



This preview shows how black text looks on a background with the RYB color 103, 203, 186.

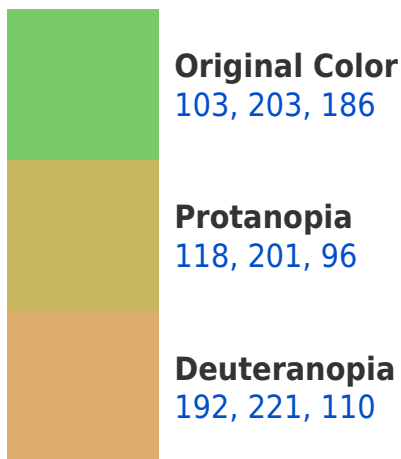


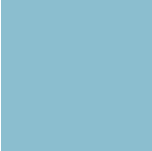
This preview shows how white text looks on a background with the RYB color 103, 203, 186.

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
139, 168, 207

Trichromacy



Original Color

103, 203, 186



Protanomaly

99, 190, 117



Deuteranomaly

107, 185, 108



Tritanomaly

132, 172, 195

Monochromacy



Original Color

103, 203, 186



Achromatopsia

167, 167, 167



Achromatomaly

144, 180, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 203, 186 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(120, 203, 103)` looks like.

```
.text, #text, p{  
    color:rgb(120, 203, 103)  
}
```

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(120, 203, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 203, 103) }
```

Border

The CSS property to change the border of an element to RYB 103, 203, 186 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(120, 203, 103) }
```

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

```
.border{ border-color:rgb(120, 203, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 203, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 203, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 203, 103); box-shadow:4px 4px 4px 4px rgb(120, 203, 103) }
```

Background

The CSS property to change the background color of an element to RYB 103, 203, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 203, 103) }
```

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

```
.background{ background-color: rgb(120,  
203, 103) }
```

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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