

Converting Colors

`RYB(102, 199, 178)`

Have a look what the booklet for
RYB(102, 199, 178) contains.

RYB(102, 199, 178)	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

R_YB(102, 199, 178)

Conversions

Conversions Part 1

Format	Color
Hex	7BC766
RGB	123, 199, 102
RGB Percent	48%, 78%, 40%
CMY	0.5176, 0.2196, 0.6000
CMYK	0.38, 0.00, 0.49, 0.22
HSL	107°, 46%, 59%
HSV	107°, 49%, 78%
XYZ	30.9901, 46.0171, 19.8192
YIQ	165.2180, -14.1590, -46.2790

Conversions

Conversions Part 2

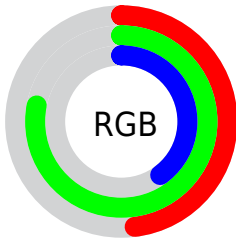
Format	Color
RYB	102, 199, 178
Decimal	8111974
CIELab	73.56, -41.88, 41.06
CIElCh	74, 58.654, 135.567
Yxy	46.0171, 0.3201, 0.4753
Android (android.graphics.Color)	4286302054 (0xFF7BC766)
YUV	165.2180, -31.1665, -37.0252
Hunter-Lab	67.8359, -37.1671, 30.1627

Details

The RYB color **102, 199, 178** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **178, 102, 199**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **155, 255, 231**, and **52, 144, 128** is the 20% darker color. If you saturate the color by 10%, you get **82, 199, 174**, and if you desaturate by 10%, it is **122, 199, 182**.

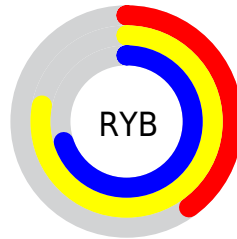
Distribution



Red (48%)

Green (78%)

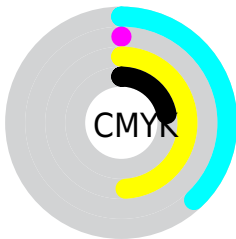
Blue (40%)



Red (40%)

Yellow (78%)

Blue (70%)

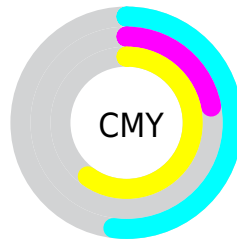


Cyan (38%)

Magenta (0%)

Yellow (49%)

Black (22%)



Cyan (52%)


Magenta (22%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 199, 178 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 102, 199, 178 by changing the saturation by 10% instead.

 102, 199, 178

255, 255, 255


 155, 255, 231

 182, 255, 230


 210, 255, 228

 239, 255, 239

 102, 199, 178

 77, 171, 152

 52, 144, 128

 26, 118, 105


 0, 93, 93


 0, 69, 69


 0, 46, 46

 0, 21, 21


 0, 0, 0

 102, 199, 178


 102, 199, 178


 82, 199, 174


 122, 199, 182


 62, 199, 169

 142, 199, 187


 42, 199, 165

 162, 199, 191

 22, 199, 160

 182, 199, 196

 3, 199, 157

 201, 199, 202

 0, 199, 156

 217, 199, 221

 232, 199, 241

 248, 199, 255

 255, 199, 255

Harmonies

Analogous

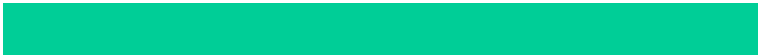
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71, 187, 74



102, 199, 178



0, 119, 206

Triad

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



102, 199, 178



0, 110, 255



255, 134, 155

Complementary

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



102, 199, 178



178, 102, 199

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, 209



102, 199, 178



138, 167, 255

Square

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



102, 199, 178



0, 113, 255



220, 155, 255



255, 164, 106

Rectangle

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



102, 199, 178



0, 108, 207



220, 155, 255



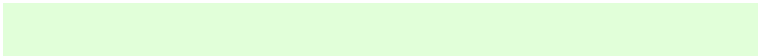
255, 133, 173

Sweetspot

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



102, 199, 178



217, 255, 247



129, 199, 102



105, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



102, 199, 178



107, 255, 223



102, 178, 199



90, 99, 97



0, 163, 128



0, 36, 28

Inverse Universe

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



178, 102, 199



223, 107, 255



199, 102, 172



97, 90, 99



128, 0, 163



28, 0, 36

Previews

White Background



This preview shows how the RYB color 102, 199, 178 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 102, 199, 178 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 102, 199, 178 Background



This preview shows how black text looks on a background with the RYB color 102, 199, 178.

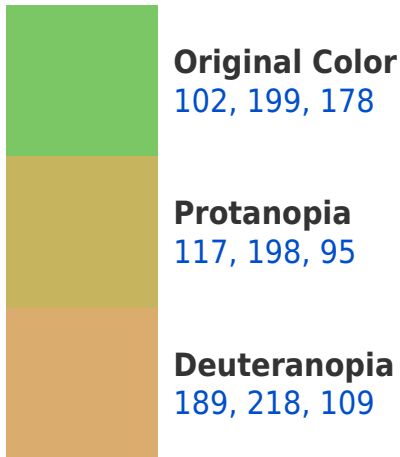


This preview shows how white text looks on a background with the RYB color 102, 199, 178.

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
141, 168, 203

Trichromacy



Original Color

102, 199, 178



Protanomaly

98, 187, 114



Deuteranomaly

107, 183, 106



Tritanomaly

134, 171, 192

Monochromacy



Original Color

102, 199, 178



Achromatopsia

165, 165, 165



Achromatomaly

142, 177, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 199, 178 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(123, 199, 102)` looks like.

```
.text, #text, p{  
    color:rgb(123, 199, 102)  
}
```

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(123, 199, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 199, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 199, 178 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(123, 199, 102) }
```

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

```
.border{ border-color:rgb(123, 199, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 199, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 199, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 199, 102);  
box-shadow:4px 4px 4px 4px rgb(123, 199,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 199, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 199, 102) }
```

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

```
.background{ background-color: rgb(123,  
199, 102) }
```

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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