

Converting Colors

`RYB(119, 199, 199)`

Have a look what the booklet for
RYB(119, 199, 199) contains.

RYB(119, 199, 199)	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(119, 199, 199)

Conversions

Conversions Part 1

Format	Color
Hex	77C777
RGB	119, 199, 119
RGB Percent	47%, 78%, 47%
CMY	0.5333, 0.2196, 0.5333
CMYK	0.40, 0.00, 0.40, 0.22
HSL	120°, 42%, 62%
HSV	120°, 40%, 78%
XYZ	31.3609, 46.1007, 24.6982
YIQ	165.9600, -22.0000, -41.8400

Conversions

Conversions Part 2

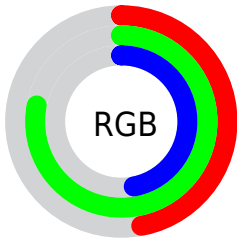
Format	Color
RYB	119, 199, 199
Decimal	7849847
CIELab	73.61, -40.75, 32.53
CIElCh	74, 52.140, 141.401
Yxy	46.1007, 0.3070, 0.4513
Android (android.graphics.Color)	4286039927 (0xFF77C777)
YUV	165.9600, -23.1513, -41.1839
Hunter-Lab	67.8975, -36.3738, 25.9611

Details

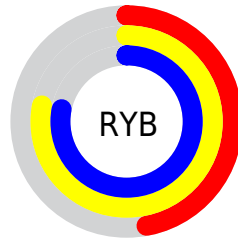
The RYB color **119, 199, 199** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **199, 119, 199**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **172, 255, 253**, and **64, 139, 144** is the 20% darker color. If you saturate the color by 10%, you get **99, 199, 199**, and if you desaturate by 10%, it is **139, 199, 199**.

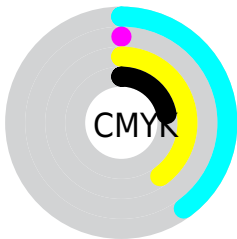
Distribution



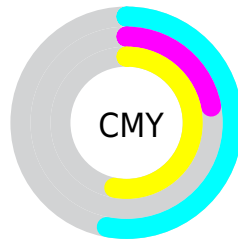
- Red (47%)
- Green (78%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)



- Cyan (53%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 199, 199 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 119, 199, 199 by changing the saturation by 10% instead.

 119, 199, 199


255, 255, 255


 172, 255, 253


 200, 255, 252

 228, 255, 251

 119, 199, 199

 92, 169, 171

 64, 139, 144

 35, 109, 118

 0, 76, 93

 0, 69, 69


 0, 46, 46

 0, 21, 21


 0, 0, 0

 119, 199, 199


 119, 199, 199

 99, 199, 199


 139, 199, 199

 79, 199, 199


 159, 199, 199

 59, 199, 199

 179, 199, 199

 39, 199, 199

 199, 199, 199

 20, 199, 199

 219, 199, 219

 0, 199, 199

 238, 199, 238

 255, 199, 255

Harmonies

Analogous

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



88, 189, 102



119, 199, 199



3, 114, 204

Triad

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



119, 199, 199



51, 134, 255



255, 143, 149

Complementary

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



119, 199, 199



199, 119, 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, 142, 197



119, 199, 199



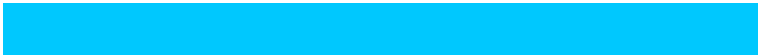
162, 173, 255

Square

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



119, 199, 199



0, 112, 254



227, 155, 241



255, 179, 108

Rectangle

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



119, 199, 199



0, 104, 205



227, 155, 241



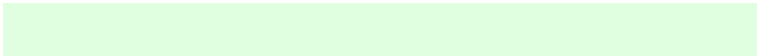
255, 141, 164

Sweetspot

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



119, 199, 199



224, 255, 255



119, 199, 119



110, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 199, 199



133, 255, 255



119, 172, 199



90, 99, 99



0, 163, 163



0, 36, 36

Inverse Universe

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



199, 119, 199



255, 133, 255



199, 119, 159



99, 90, 99



163, 0, 163



36, 0, 36

Previews

White Background



This preview shows how the RYB color 119, 199, 199 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 119, 199, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

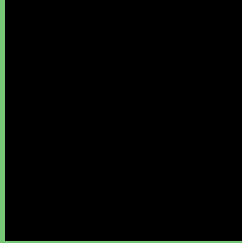
Any Text WCAG AA ✓ Pass

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 119, 199, 199 Background



This preview shows how black text looks on a background with the RYB color 119, 199, 199.



This preview shows how white text looks on a background with the RYB color 119, 199, 199.

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



Original Color
119, 199, 199

Protanopia
132, 196, 112

Deuteranopia
205, 214, 125



Tritanopia
136, 166, 204

Trichromacy



Original Color

119, 199, 199



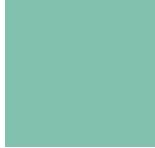
Protanomaly

115, 187, 134



Deuteranomaly

123, 182, 126



Tritanomaly

130, 167, 193

Monochromacy



Original Color

119, 199, 199



Achromatopsia

166, 166, 166



Achromatomaly

149, 178, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 199, 199 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(119, 199, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 199, 119)  
}
```

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(119, 199, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 199, 119) }
```

Border

The CSS property to change the border of an element to RYB 119, 199, 199 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(119, 199, 119) }
```

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

```
.border{ border-color:rgb(119, 199, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 199, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 199, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 199, 119);  
box-shadow:4px 4px 4px 4px rgb(119, 199,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 119, 199, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 199, 119) }
```

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

```
.background{ background-color: rgb(119,  
199, 119) }
```

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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