

Converting Colors

`RYB(106, 199, 196)`

Have a look what the booklet for
RYB(106, 199, 196) contains.

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Color

R_YB(106, 199, 196)

Conversions

Conversions Part 1

Format	Color
Hex	6DC76A
RGB	109, 199, 106
RGB Percent	43%, 78%, 42%
CMY	0.5725, 0.2196, 0.5843
CMYK	0.45, 0.00, 0.47, 0.22
HSL	118°, 45%, 60%
HSV	118°, 47%, 78%
XYZ	29.3316, 45.1387, 20.8024
YIQ	161.4880, -23.7870, -48.0030

Conversions

Conversions Part 2

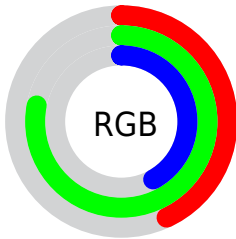
Format	Color
RYB	106, 199, 196
Decimal	7194474
CIELab	72.98, -45.66, 38.23
CIELCh	73, 59.553, 140.064
Yxy	45.1387, 0.3079, 0.4738
Android (android.graphics.Color)	4285384554 (0xFF6DC76A)
YUV	161.4880, -27.3556, -46.0320
Hunter-Lab	67.1853, -39.6452, 28.6720

Details

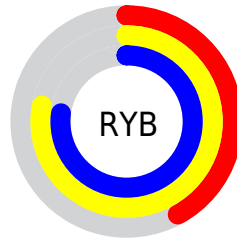
The RYB color **106, 199, 196** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **196, 106, 199**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **159, 255, 249**, and **52, 140, 144** is the 20% darker color. If you saturate the color by 10%, you get **86, 199, 195**, and if you desaturate by 10%, it is **126, 199, 197**.

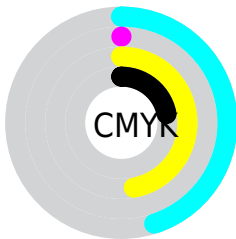
Distribution



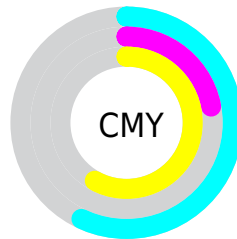
- Red (43%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)



- Cyan (57%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 199, 196 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 106, 199, 196 by changing the saturation by 10% instead.

 106, 199, 196

255, 255, 255


 159, 255, 249


 186, 255, 247


 214, 255, 246

 243, 255, 245

 106, 199, 196

 81, 171, 171

 52, 140, 144

 13, 103, 118

 0, 90, 93


 0, 68, 68

 0, 46, 46

 0, 18, 18

 0, 0, 0

 106, 199, 196

 106, 199, 196

■ 86, 199, 195

■ 126, 199, 197

■ 66, 199, 195

■ 146, 199, 197

■ 46, 199, 194

■ 166, 199, 198

■ 26, 199, 193

■ 186, 199, 199

■ 7, 199, 193

■ 205, 199, 206

■ 0, 199, 193

■ 225, 199, 225

■ 244, 199, 245

■ 255, 199, 255

Harmonies

Analogous

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



70, 187, 83



106, 199, 196



0, 115, 205

Triad

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



106, 199, 196



0, 109, 255



255, 133, 145

Complementary

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



106, 199, 196



196, 106, 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, 133, 200



106, 199, 196



151, 168, 255

Square

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



106, 199, 196



0, 113, 255



228, 150, 250



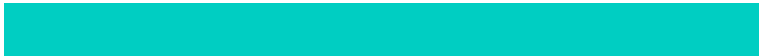
255, 175, 97

Rectangle

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



106, 199, 196



0, 106, 206



228, 150, 250



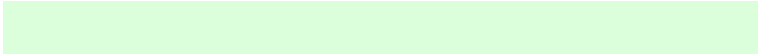
255, 131, 163

Sweetspot

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



106, 199, 196



219, 255, 254



109, 199, 106



106, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



106, 199, 196



112, 255, 250



106, 170, 199



90, 99, 99



0, 163, 158



0, 36, 35

Inverse Universe

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



196, 106, 199



250, 112, 255



199, 106, 156



99, 90, 99



158, 0, 163



35, 0, 36

Previews

White Background



This preview shows how the RYB color 106, 199, 196 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 106, 199, 196 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 106, 199, 196 Background



This preview shows how black text looks on a background with the RYB color 106, 199, 196.



This preview shows how white text looks on a background with the RYB color 106, 199, 196.

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](#).

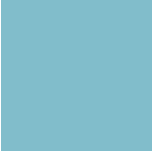
Dichromacy



Original Color
106, 199, 196

Protanopia
121, 196, 99

Deuteranopia
194, 215, 113



Tritanopia
129, 162, 203

Trichromacy



Original Color

106, 199, 196



Protanomaly

102, 186, 124



Deuteranomaly

110, 181, 115



Tritanomaly

122, 164, 192

Monochromacy



Original Color

106, 199, 196



Achromatopsia

161, 161, 161



Achromatomaly

141, 175, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 199, 196 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(109, 199, 106)` looks like.

```
.text, #text, p{  
    color:rgb(109, 199, 106)  
}
```

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(109, 199, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 199, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 199, 196 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(109, 199, 106) }
```

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

```
.border{ border-color:rgb(109, 199, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 199, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 199, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 199, 106); box-shadow:4px 4px 4px 4px rgb(109, 199, 106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 199, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 199, 106) }
```

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

```
.background{ background-color: rgb(109,  
199, 106) }
```

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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