

Converting Colors

`RYB(109, 179, 232)`

Have a look what the booklet for
RYB(109, 179, 232) contains.

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Color

R_YB(109, 179, 232)

Conversions

Conversions Part 1

Format	Color
Hex	6DE8CA
RGB	109, 232, 202
RGB Percent	43%, 91%, 79%
CMY	0.5725, 0.0902, 0.2073
CMYK	0.53, 0.00, 0.13, 0.09
HSL	165°, 73%, 67%
HSV	165°, 53%, 91%
XYZ	45.8392, 65.2348, 66.1326
YIQ	191.8030, -63.6780, -35.4060

Conversions

Conversions Part 2

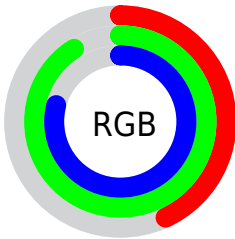
Format	Color
RYB	109, 179, 232
Decimal	7203018
CIELab	84.60, -41.54, 4.08
CIELCh	85, 41.735, 174.388
Yxy	65.2348, 0.2587, 0.3681
Android (android.graphics.Color)	4285393098 (0xFF6DE8CA)
YUV	191.8030, 5.0271, -72.6182
Hunter-Lab	80.7681, -40.0380, 7.9912

Details

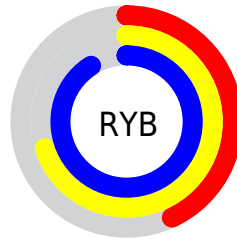
The RYB color **109, 179, 232** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **232, 109, 139**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **168, 212, 255**, and **42, 117, 176** is the 20% darker color. If you saturate the color by 10%, you get **86, 169, 232**, and if you desaturate by 10%, it is **132, 189, 232**.

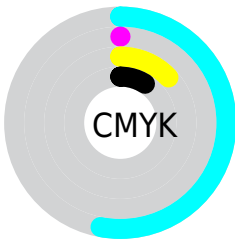
Distribution



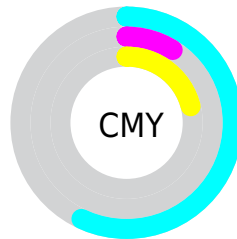
- Red (43%)
- Green (91%)
- Blue (79%)



- Red (43%)
- Yellow (70%)
- Blue (91%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



- Cyan (57%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 179, 232 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 109, 179, 232 by changing the saturation by 10% instead.

 109, 179, 232


255, 255, 255


 168, 212, 255

 198, 227, 255

 228, 242, 255

 109, 179, 232

 78, 149, 204

 42, 117, 176

 0, 82, 149

 0, 68, 122

 0, 55, 97

 0, 42, 72


 0, 30, 48

 0, 20, 25


 0, 0, 0

 109, 179, 232


 109, 179, 232

 86, 169, 232


 132, 189, 232

 63, 159, 232

 155, 199, 232

 39, 149, 232

 179, 209, 232

 16, 139, 232

 202, 219, 232

 0, 132, 232

 225, 229, 232

 248, 232, 236

 255, 232, 242

 255, 232, 247

 255, 232, 253

Harmonies

Analogous

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



159, 222, 227



109, 179, 232



65, 151, 242

Triad

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



109, 179, 232



206, 204, 255



255, 224, 149

Complementary

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



109, 179, 232



232, 109, 139

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, 183, 181



109, 179, 232



254, 190, 255

Square

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



109, 179, 232



143, 188, 255



255, 181, 220



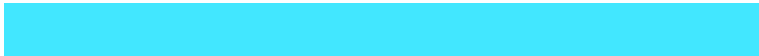
191, 244, 133

Rectangle

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



109, 179, 232



66, 154, 255



255, 181, 220



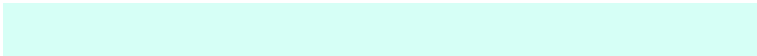
255, 204, 158

Sweetspot

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



109, 179, 232



214, 237, 255



109, 232, 201



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



109, 179, 232



92, 185, 255



109, 162, 232



103, 110, 115



0, 102, 179



0, 29, 51

Inverse Universe

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



232, 109, 139



255, 92, 131



232, 150, 109



115, 103, 106



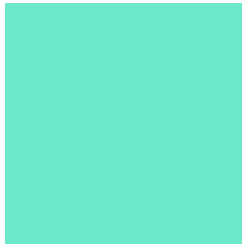
179, 0, 43



51, 0, 12

Previews

White Background



This preview shows how the RYB color 109, 179, 232 looks on a white background.

Color Contrast Check

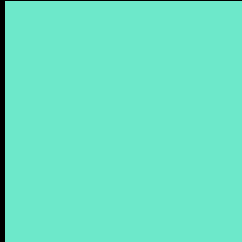
Large Text (above 18pt) WCAG AA × Fail

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 109, 179, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

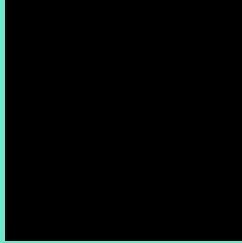
Any Text WCAG AA ✓ Pass

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](#).

R Y B 109, 179, 232 Background



This preview shows how black text looks on a background with the RYB color 109, 179, 232.

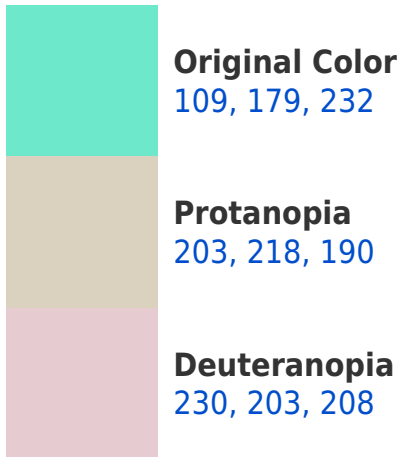


This preview shows how white text looks on a background with the RYB color 109, 179, 232.

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





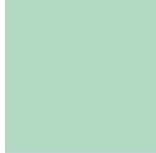
Tritanopia
123, 179, 244

Trichromacy



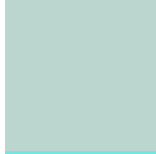
Original Color

109, 179, 232



Protanomaly

178, 206, 217



Deuteranomaly

186, 202, 214



Tritanomaly

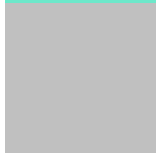
118, 173, 229

Monochromacy



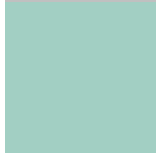
Original Color

109, 179, 232



Achromatopsia

192, 192, 192



Achromatomaly

162, 188, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 179, 232 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, 232, 202)` looks like.

```
.text, #text, p{  
    color:rgb(109, 232, 202)  
}
```

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, 232, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 232, 202) }
```

Border

The CSS property to change the border of an element to RYB 109, 179, 232 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, 232, 202) }
```

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

```
.border{ border-color:rgb(109, 232, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 232, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 232, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 232, 202);  
box-shadow:4px 4px 4px 4px rgb(109, 232,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 109, 179, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 232, 202) }
```

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

```
.background{ background-color: rgb(109,  
232, 202) }
```

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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