

Converting Colors

`RYB(109, 200, 220)`

Have a look what the booklet for
RYB(109, 200, 220) contains.

RYB(109, 200, 220)	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(109, 200, 220)

Conversions

Conversions Part 1

Format	Color
Hex	6DDC85
RGB	109, 220, 133
RGB Percent	43%, 86%, 52%
CMY	0.5725, 0.1373, 0.4769
CMYK	0.50, 0.00, 0.39, 0.14
HSL	133°, 61%, 65%
HSV	133°, 50%, 86%
XYZ	36.1609, 56.1420, 31.2645
YIQ	176.8930, -38.2290, -50.5890

Conversions

Conversions Part 2

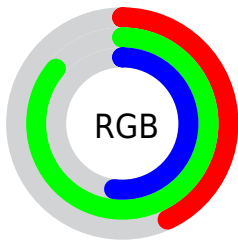
Format	Color
RYB	109, 200, 220
Decimal	7199877
CIELab	79.69, -50.18, 33.05
CIELCh	80, 60.079, 146.631
Yxy	56.1420, 0.2926, 0.4543
Android (android.graphics.Color)	4285389957 (0xFF6DDC85)
YUV	176.8930, -21.6392, -59.5422
Hunter-Lab	74.9280, -44.9783, 27.7102

Details

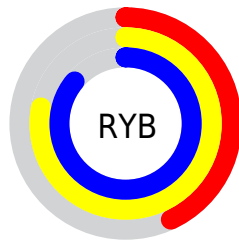
The RYB color **109, 200, 220** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **220, 109, 196**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **167, 239, 255**, and **47, 137, 164** is the 20% darker color. If you saturate the color by 10%, you get **87, 196, 220**, and if you desaturate by 10%, it is **131, 204, 220**.

Distribution



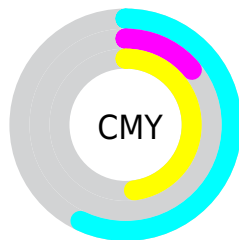
- Red (43%)
- Green (86%)
- Blue (52%)



- Red (43%)
- Yellow (78%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)



- Cyan (57%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 200, 220 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, 200, 220 by changing the saturation by 10% instead.

 109, 200, 220


255, 255, 255


 167, 239, 255

 196, 241, 255

 225, 243, 255

 109, 200, 220


 80, 170, 192

 47, 137, 164

 0, 96, 137

 0, 85, 111

 0, 77, 85


 0, 61, 61

 0, 39, 39


 0, 0, 0

 109, 200, 220


 109, 200, 220

 87, 196, 220


 131, 204, 220

 65, 192, 220

 153, 208, 220

 43, 188, 220


 175, 212, 220

 21, 184, 220

 197, 216, 220

 0, 181, 220

 219, 220, 220

 241, 220, 236

 255, 220, 254

 255, 220, 255

Harmonies

Analogous

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



92, 209, 121



109, 200, 220



0, 122, 225

Triad

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



109, 200, 220



63, 145, 255



255, 154, 150

Complementary

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



109, 200, 220



220, 109, 196

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, 150, 206



109, 200, 220



190, 185, 255

Square

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



109, 200, 220



0, 118, 255



255, 163, 255



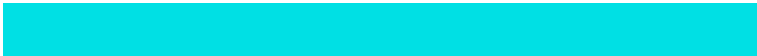
255, 226, 105

Rectangle

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



109, 200, 220



0, 113, 228



255, 163, 255



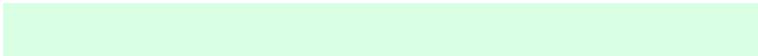
255, 150, 168

Sweetspot

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



109, 200, 220



217, 248, 255



109, 220, 133



105, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



109, 200, 220



99, 226, 255



109, 174, 220



99, 108, 110



0, 142, 173



0, 38, 46

Inverse Universe

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



220, 109, 196



255, 99, 221



220, 109, 140



110, 99, 107



173, 0, 135



46, 0, 36

Previews

White Background



This preview shows how the RYB color 109, 200, 220 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, 200, 220 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 109, 200, 220 Background



This preview shows how black text looks on a background with the RYB color 109, 200, 220.

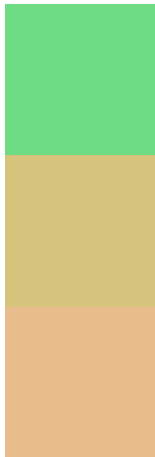


This preview shows how white text looks on a background with the RYB color 109, 200, 220.

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
109, 200, 220

Protanopia
147, 214, 124

Deuteranopia
229, 233, 141



Tritanopia
131, 174, 226

Trichromacy



Original Color

109, 200, 220



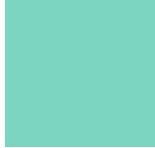
Protanomaly

127, 205, 156



Deuteranomaly

138, 200, 150



Tritanomaly

123, 174, 213

Monochromacy



Original Color

109, 200, 220



Achromatopsia

177, 177, 177



Achromatomaly

152, 186, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 200, 220 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, 220, 133)` looks like.

```
.text, #text, p{  
    color:rgb(109, 220, 133)  
}
```

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, 220, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 220, 133) }
```

Border

The CSS property to change the border of an element to RYB 109, 200, 220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

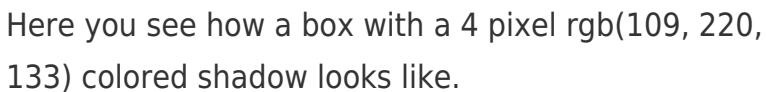
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 220, 133) }
```

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

```
.border{ border-color:rgb(109, 220, 133) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 220, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 220, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 220, 133); box-shadow:4px 4px 4px 4px rgb(109, 220, 133) }
```

Background

The CSS property to change the background color of an element to RGB 109, 200, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 220, 133) }
```

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

```
.background{ background-color: rgb(109,  
220, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor