

Converting Colors

`RYB(109, 185, 210)`

Have a look what the booklet for
RYB(109, 185, 210) contains.

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Color

R_YB(109, 185, 210)

Conversions

Conversions Part 1

Format	Color
Hex	6DD28E
RGB	109, 210, 142
RGB Percent	43%, 82%, 56%
CMY	0.5725, 0.1765, 0.4423
CMYK	0.48, 0.00, 0.32, 0.18
HSL	140°, 53%, 63%
HSV	140°, 48%, 82%
XYZ	34.2526, 51.3041, 33.7767
YIQ	172.0490, -38.3680, -42.5600

Conversions

Conversions Part 2

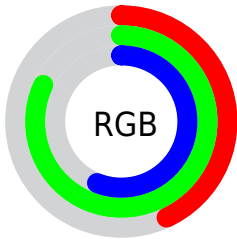
Format	Color
RYB	109, 185, 210
Decimal	7197326
CIELab	76.86, -44.46, 24.72
CIELCh	77, 50.868, 150.925
Yxy	51.3041, 0.2870, 0.4299
Android (android.graphics.Color)	4285387406 (0xFF6DD28E)
YUV	172.0490, -14.8142, -55.2940
Hunter-Lab	71.6269, -39.9869, 22.1798

Details

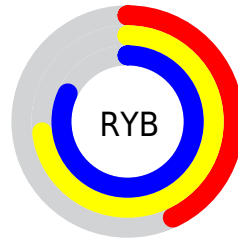
The RYB color **109, 185, 210** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **210, 109, 177**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **166, 233, 255**, and **50, 126, 155** is the 20% darker color. If you saturate the color by 10%, you get **88, 180, 210**, and if you desaturate by 10%, it is **130, 190, 210**.

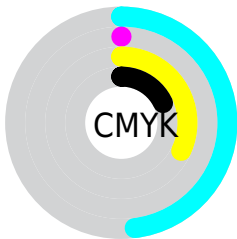
Distribution



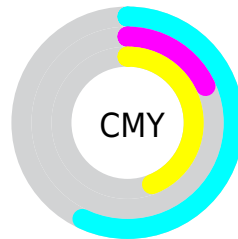
- Red (43%)
- Green (82%)
- Blue (56%)



- Red (43%)
- Yellow (73%)
- Blue (82%)



- Cyan (48%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)



- Cyan (57%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 185, 210 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, 185, 210 by changing the saturation by 10% instead.

 109, 185, 210

255, 255, 255


 166, 233, 255


 194, 235, 255


 224, 240, 255

253, 254, 255

 109, 185, 210

 81, 156, 182

 50, 126, 155

 6, 87, 128

 0, 71, 102

 0, 60, 77


 0, 53, 53

 0, 32, 32


 0, 0, 0


 109, 185, 210


 109, 185, 210

 88, 180, 210


 130, 190, 210

 67, 175, 210

 151, 196, 210

 46, 169, 210

 172, 200, 210

 25, 164, 210

 193, 206, 210

 4, 159, 210

 214, 210, 213

 0, 158, 210

 235, 210, 227

 255, 210, 241

 255, 210, 255

Harmonies

Analogous

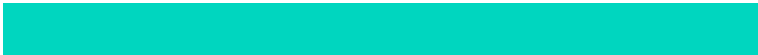
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



106, 201, 138



109, 185, 210



0, 113, 214

Triad

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



109, 185, 210



113, 165, 255



255, 157, 144

Complementary

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



109, 185, 210



210, 109, 177

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, 151, 190



109, 185, 210



195, 177, 255

Square

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



109, 185, 210



0, 114, 255



249, 160, 236



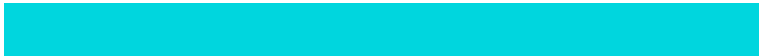
255, 218, 108

Rectangle

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



109, 185, 210



0, 109, 222



249, 160, 236



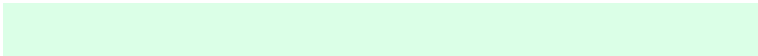
255, 153, 159

Sweetspot

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



109, 185, 210



219, 246, 255



109, 210, 141



106, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



109, 185, 210



107, 218, 255



109, 165, 210



94, 102, 105



0, 127, 168



0, 31, 41

Inverse Universe

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



210, 109, 177



255, 107, 206



210, 109, 128



105, 94, 101



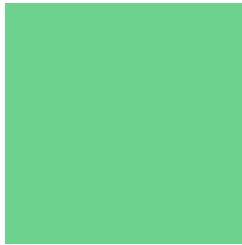
168, 0, 113



41, 0, 27

Previews

White Background



This preview shows how the RYB color 109, 185, 210 looks on a white background.

Color Contrast Check

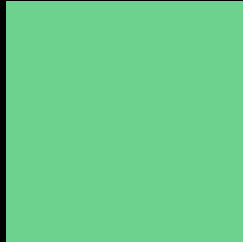
Large Text (above 18pt) WCAG AA × Fail

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, 185, 210 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, 185, 210 Background



This preview shows how black text looks on a background with the RYB color 109, 185, 210.

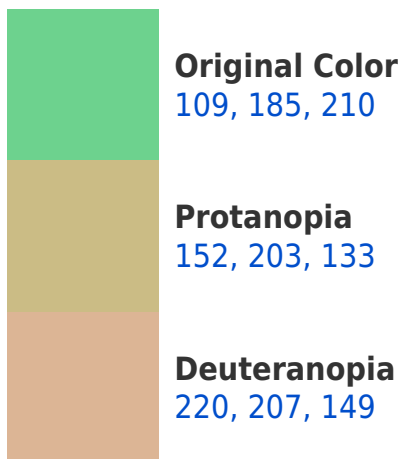


This preview shows how white text looks on a background with the RYB color 109, 185, 210.

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
127, 168, 217

Trichromacy



Original Color

109, 185, 210



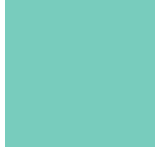
Protanomaly

136, 196, 163



Deuteranomaly

147, 192, 159



Tritanomaly

120, 166, 204

Monochromacy



Original Color

109, 185, 210



Achromatopsia

172, 172, 172



Achromatomaly

149, 177, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 185, 210 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, 210, 142)` looks like.

```
.text, #text, p{  
    color:rgb(109, 210, 142)  
}
```

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, 210, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 210, 142) }
```

Border

The CSS property to change the border of an element to RYB 109, 185, 210 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, 210, 142) }
```

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

```
.border{ border-color:rgb(109, 210, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 210, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 210, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 210, 142);  
box-shadow:4px 4px 4px 4px rgb(109, 210,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 109, 185, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 210, 142) }
```

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

```
.background{ background-color: rgb(109,  
210, 142) }
```

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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