

# Converting Colors

`RYB(109, 197, 181)`

Have a look what the booklet for  
RYB(109, 197, 181) contains.

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# Color

**R<sub>Y</sub>B(109, 197, 181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DC56D
RGB	125, 197, 109
RGB Percent	49%, 77%, 43%
CMY	0.5098, 0.2275, 0.5725
CMYK	0.37, 0.00, 0.45, 0.23
HSL	109°, 43%, 60%
HSV	109°, 45%, 77%
XYZ	31.1840, 45.3966, 21.5869
YIQ	165.4400, -14.6640, -42.6320

# Conversions

## Conversions Part 2

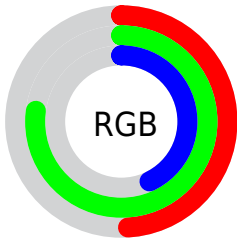
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 197, 181
Decimal	8242541
CIELab	73.15, -39.42, 37.09
CIElCh	73, 54.129, 136.746
Yxy	45.3966, 0.3177, 0.4624
Android (android.graphics.Color)	4286432621 (0xFF7DC56D)
YUV	165.4400, -27.8249, -35.4659
Hunter-Lab	67.3770, -35.2948, 28.1680

# Details

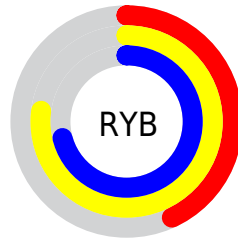
The RYB color **109, 197, 181** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **181, 109, 197**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **162, 254, 236**, and **59, 143, 131** is the 20% darker color. If you saturate the color by 10%, you get **89, 197, 177**, and if you desaturate by 10%, it is **129, 197, 185**.

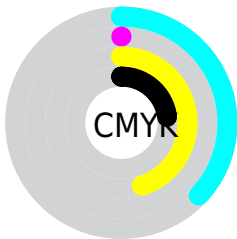
# Distribution



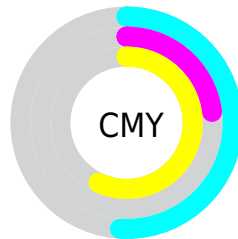
- Red (49%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (45%)
- Black (23%)



- Cyan (51%)
- Magenta (23%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 109, 197, 181 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, 197, 181 by changing the saturation by 10% instead.



 109, 197, 181

255, 255, 255


 162, 254, 236

 189, 255, 235


 217, 255, 234

 246, 255, 246

 109, 197, 181

 84, 169, 155

 59, 143, 131


 35, 117, 109

 7, 91, 91

 0, 67, 67


 0, 44, 44

 0, 19, 19


 0, 0, 0


 109, 197, 181


 109, 197, 181


 89, 197, 177


 129, 197, 185

 70, 197, 174


 148, 197, 188


 50, 197, 170

 168, 197, 192

 30, 197, 166

 188, 197, 196

 11, 197, 164

 206, 197, 208

 0, 197, 161

 222, 197, 227

 238, 197, 247

 254, 197, 255

 255, 197, 255

# Harmonies

## Analogous

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



80, 186, 84



109, 197, 181



24, 127, 203

# Triad

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



109, 197, 181



0, 109, 255



255, 138, 154

# Complementary

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



109, 197, 181



181, 109, 197

# 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, 140, 204



109, 197, 181



146, 169, 255

# Square

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



109, 197, 181



0, 112, 251



219, 156, 248



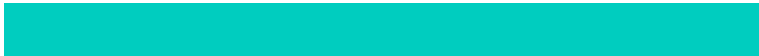
255, 168, 109

# Rectangle

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



109, 197, 181



0, 106, 205



219, 156, 248



255, 137, 170

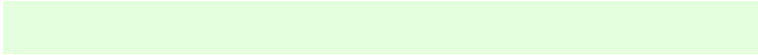


# Sweetspot

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



109, 197, 181



222, 255, 249



129, 197, 109



107, 128, 124



0, 0, 0



128, 128, 128



# Same Dimension

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



109, 197, 181



117, 255, 230



109, 176, 197



90, 99, 98



0, 163, 133



0, 36, 30



# Inverse Universe

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



181, 109, 197



230, 117, 255



197, 109, 169



98, 90, 99



134, 0, 163



29, 0, 36



# Previews

## White Background



This preview shows how the RYB color 109, 197, 181 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, 197, 181 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, 197, 181 Background**



This preview shows how black text looks on a background with the RYB color 109, 197, 181.

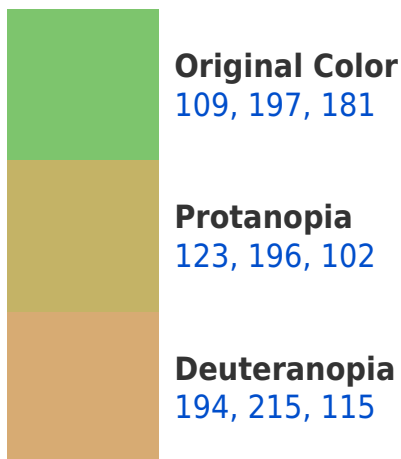


This preview shows how white text looks on a background with the RYB color 109, 197, 181.

# 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**  
141, 167, 201

# Trichromacy



**Original Color**  
109, 197, 181

**Protanomaly**  
105, 186, 121

**Deuteranomaly**  
115, 182, 113

**Tritanomaly**  
135, 169, 190

# Monochromacy



**Original Color**  
109, 197, 181

**Achromatopsia**  
165, 165, 165

**Achromatomaly**  
145, 177, 172

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 109, 197, 181 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(125, 197, 109)` looks like.

```
.text, #text, p{  
    color:rgb(125, 197, 109)  
}
```

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(125, 197, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 197, 109) }
```

## Border

The CSS property to change the border of an element to RYB 109, 197, 181 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(125, 197, 109) }
```

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

```
.border{ border-color:rgb(125, 197, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 197, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 197, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 197, 109);  
box-shadow:4px 4px 4px 4px rgb(125, 197,  
109) }
```

# Background

The CSS property to change the background color of an element to RYB 109, 197, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 197, 109) }
```

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

```
.background{ background-color: rgb(125,  
197, 109) }
```

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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