

Converting Colors

`RYB(107, 201, 178)`

Have a look what the booklet for
RYB(107, 201, 178) contains.

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Color

R_YB(107, 201, 178)

Conversions

Conversions Part 1

Format	Color
Hex	82C96B
RGB	130, 201, 107
RGB Percent	51%, 79%, 42%
CMY	0.4902, 0.2118, 0.5804
CMYK	0.35, 0.00, 0.47, 0.21
HSL	105°, 47%, 60%
HSV	105°, 47%, 79%
XYZ	32.7464, 47.5807, 21.3680
YIQ	169.0550, -12.1420, -44.2860

Conversions

Conversions Part 2

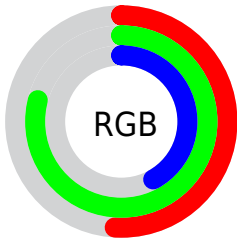
Format	Color
RYB	107, 201, 178
Decimal	8571243
CIELab	74.56, -39.82, 39.91
CIElCh	75, 56.383, 134.936
Yxy	47.5807, 0.3220, 0.4679
Android (android.graphics.Color)	4286761323 (0xFF82C96B)
YUV	169.0550, -30.5931, -34.2512
Hunter-Lab	68.9787, -35.9731, 29.9185

Details

The RYB color **107, 201, 178** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **178, 107, 201**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **160, 255, 229**, and **57, 146, 127** is the 20% darker color. If you saturate the color by 10%, you get **87, 201, 173**, and if you desaturate by 10%, it is **127, 201, 183**.

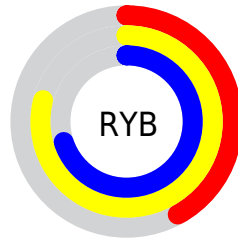
Distribution



Red (51%)

Green (79%)

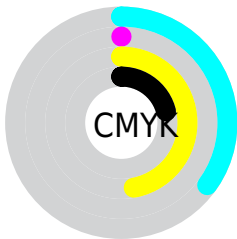
Blue (42%)



Red (42%)

Yellow (79%)

Blue (70%)

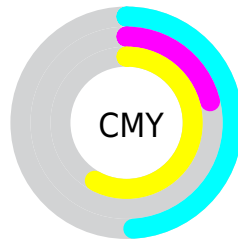


Cyan (35%)

Magenta (0%)

Yellow (47%)

Black (21%)



Cyan (49%)

Magenta (21%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 201, 178 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 107, 201, 178 by changing the saturation by 10% instead.

 107, 201, 178

255, 255, 255


 160, 255, 229


 187, 255, 228


 216, 255, 227

 244, 255, 244

 107, 201, 178

 82, 173, 152

 57, 146, 127

 32, 120, 104

 2, 95, 82

 0, 71, 71

 0, 47, 47

 0, 25, 25

 0, 0, 0

 107, 201, 178

 107, 201, 178

 87, 201, 173

 127, 201, 183

 67, 201, 168

 147, 201, 188

 47, 201, 164

 167, 201, 192


 27, 201, 159

 187, 201, 197

 6, 201, 153

 206, 201, 208

 0, 201, 152

 221, 201, 228

 236, 201, 248

 251, 201, 255

 255, 201, 255

Harmonies

Analogous

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



78, 189, 79



107, 201, 178



26, 133, 208

Triad

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



107, 201, 178



0, 111, 255



255, 139, 159

Complementary

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



107, 201, 178



178, 107, 201

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, 142, 212



107, 201, 178



142, 170, 255

Square

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



107, 201, 178



0, 114, 255



220, 159, 255



255, 168, 112

Rectangle

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



107, 201, 178



0, 110, 210



220, 159, 255



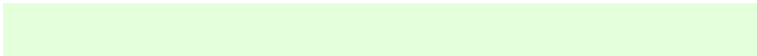
255, 139, 177

Sweetspot

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



107, 201, 178



219, 255, 246



137, 201, 107



106, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



107, 201, 178



112, 255, 220



107, 182, 201



90, 99, 97



0, 163, 123



0, 36, 27

Inverse Universe

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



178, 107, 201



220, 112, 255



201, 107, 178



97, 90, 99



123, 0, 163



27, 0, 36

Previews

White Background



This preview shows how the RYB color 107, 201, 178 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 107, 201, 178 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 107, 201, 178 Background



This preview shows how black text looks on a background with the RYB color 107, 201, 178.

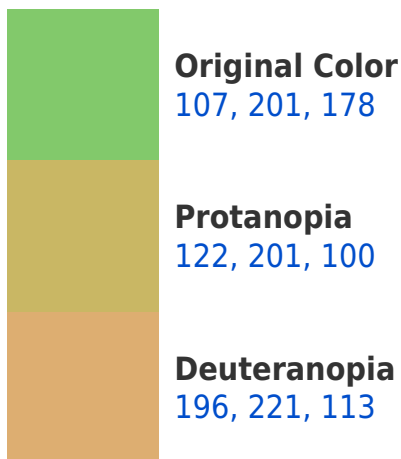


This preview shows how white text looks on a background with the RYB color 107, 201, 178.

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
147, 172, 205

Trichromacy



Original Color

107, 201, 178



Protanomaly

103, 190, 118



Deuteranomaly

115, 188, 111



Tritanomaly

141, 176, 194

Monochromacy



Original Color

107, 201, 178



Achromatopsia

169, 169, 169



Achromatomaly

146, 181, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 201, 178 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(130, 201, 107)` looks like.

```
.text, #text, p{  
    color:rgb(130, 201, 107)  
}
```

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(130, 201, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 201, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 201, 178 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(130, 201, 107) }
```

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

```
.border{ border-color:rgb(130, 201, 107) }
```

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

Here you see how a box with a 4 pixel rgb(130, 201, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 201, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 201, 107);  
box-shadow:4px 4px 4px 4px rgb(130, 201,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 201, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 201, 107) }
```

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

```
.background{ background-color: rgb(130,  
201, 107) }
```

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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