

Converting Colors

`RYB(107, 245, 176)`

Have a look what the booklet for
RYB(107, 245, 176) contains.

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Color

R_YB(107, 245, 176)

Conversions

Conversions Part 1

Format	Color
Hex	B0F56B
RGB	176, 245, 107
RGB Percent	69%, 96%, 42%
CMY	0.3098, 0.0392, 0.5804
CMYK	0.28, 0.00, 0.56, 0.04
HSL	90°, 87%, 69%
HSV	90°, 56%, 96%
XYZ	53.2107, 75.5965, 25.6970
YIQ	208.6370, 3.1740, -57.5460

Conversions

Conversions Part 2

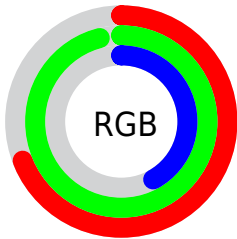
Format	Color
RYB	107, 245, 176
Decimal	11597163
CIELab	89.67, -43.39, 58.60
CIElCh	90, 72.914, 126.521
Yxy	75.5965, 0.3444, 0.4893
Android (android.graphics.Color)	4289787243 (0xFFB0F56B)
YUV	208.6370, -50.1070, -28.6226
Hunter-Lab	86.9462, -42.9146, 43.3392

Details

The RYB color **107, 245, 176** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **176, 107, 245**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **162, 255, 183**, and **52, 188, 121** is the 20% darker color. If you saturate the color by 10%, you get **82, 245, 163**, and if you desaturate by 10%, it is **132, 245, 189**.

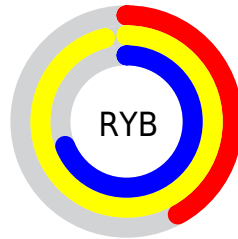
Distribution



Red (69%)

Green (96%)

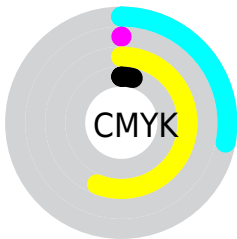
Blue (42%)



Red (42%)

Yellow (96%)

Blue (69%)

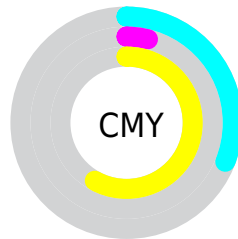


Cyan (28%)

Magenta (0%)

Yellow (56%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 245, 176 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, 245, 176 by changing the saturation by 10% instead.

 107, 245, 176

255, 255, 255

 162, 255, 183


 190, 255, 190

 219, 255, 219


 248, 255, 248


 107, 245, 176


 80, 216, 149

 52, 188, 121

 19, 161, 89

 0, 134, 71

 0, 109, 78

 0, 84, 84

 0, 60, 60

 0, 39, 39

 0, 0, 0

■ 107, 245, 176

■ 107, 245, 176

■ 82, 245, 163

■ 132, 245, 189

■ 58, 245, 152

■ 156, 245, 200

■ 33, 245, 139

■ 180, 245, 212

■ 9, 245, 127

■ 205, 245, 225

■ 0, 245, 122

■ 229, 245, 237

■ 250, 245, 254

■ 255, 245, 255

Harmonies

Analogous

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



104, 250, 77



107, 245, 176



56, 184, 255

Triad

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



107, 245, 176



0, 125, 255



255, 162, 213

Complementary

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



107, 245, 176



176, 107, 245

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, 174, 255



107, 245, 176



116, 178, 255

Square

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



107, 245, 176



0, 128, 255



249, 201, 255



255, 187, 146

Rectangle

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



107, 245, 176



0, 138, 255



249, 201, 255



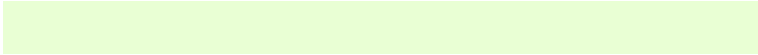
255, 163, 237

Sweetspot

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



107, 245, 176



212, 255, 234



245, 245, 107



102, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



107, 245, 176



82, 255, 169



107, 245, 245



110, 122, 116



0, 186, 93



0, 59, 30

Inverse Universe

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



176, 107, 245



168, 82, 255



245, 107, 245



116, 110, 122



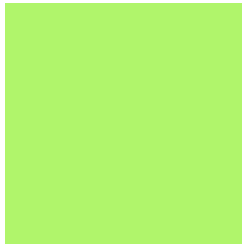
93, 0, 186



29, 0, 59

Previews

White Background



This preview shows how the RYB color 107, 245, 176 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, 245, 176 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, 245, 176 Background



This preview shows how black text looks on a background with the RYB color 107, 245, 176.

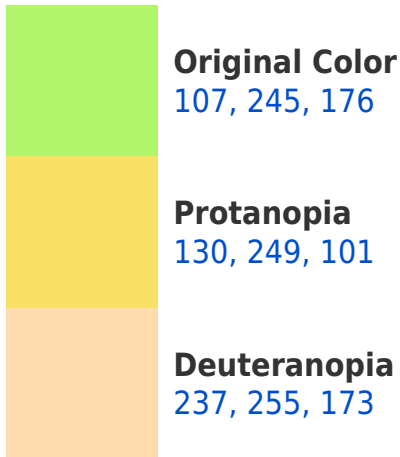


This preview shows how white text looks on a background with the RYB color 107, 245, 176.

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





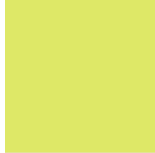
Tritanopia
196, 217, 249

Trichromacy



Original Color

107, 245, 176



Protanomaly

103, 232, 113



Deuteranomaly

149, 228, 151



Tritanomaly

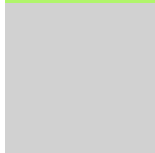
189, 228, 235

Monochromacy



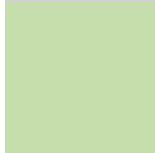
Original Color

107, 245, 176



Achromatopsia

209, 209, 209



Achromatomaly

172, 222, 197

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 245, 176 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(176, 245, 107)` looks like.

```
.text, #text, p{  
    color:rgb(176, 245, 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(176, 245, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 245, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 245, 176 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(176, 245, 107) }
```

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

```
.border{ border-color:rgb(176, 245, 107) }
```

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

Here you see how a box with a 4 pixel rgb(176, 245, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 245, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 245, 107);  
box-shadow:4px 4px 4px 4px rgb(176, 245,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 245, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 245, 107) }
```

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

```
.background{ background-color: rgb(176,  
245, 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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