

Converting Colors

`RYB(76, 235, 188)`

Have a look what the booklet for
RYB(76, 235, 188) contains.

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Color

R_YB(76, 235, 188)

Conversions

Conversions Part 1

Format	Color
Hex	7BEB4C
RGB	123, 235, 76
RGB Percent	48%, 92%, 30%
CMY	0.5176, 0.0784, 0.7020
CMYK	0.48, 0.00, 0.68, 0.08
HSL	102°, 80%, 61%
HSV	102°, 68%, 92%
XYZ	39.1812, 64.1494, 17.1545
YIQ	183.3860, -15.7130, -73.1930

Conversions

Conversions Part 2

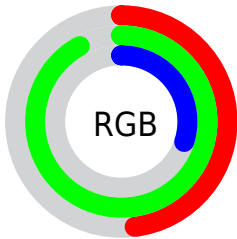
Format	Color
RYB	76, 235, 188
Decimal	8121164
CIELab	84.04, -59.10, 64.47
CIElCh	84, 87.460, 132.513
Yxy	64.1494, 0.3252, 0.5324
Android (android.graphics.Color)	4286311244 (0xFF7BEB4C)
YUV	183.3860, -52.9413, -52.9585
Hunter-Lab	80.0933, -52.8421, 43.3665

Details

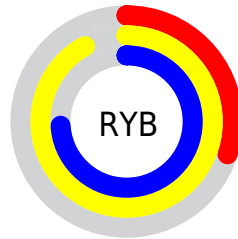
The RYB color **76, 235, 188** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **188, 76, 235**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **132, 255, 204**, and **0, 178, 119** is the 20% darker color. If you saturate the color by 10%, you get **52, 235, 181**, and if you desaturate by 10%, it is **100, 235, 195**.

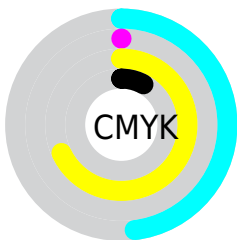
Distribution



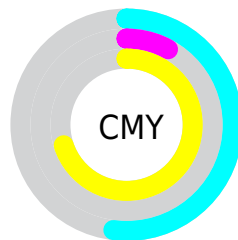
- Red (48%)
- Green (92%)
- Blue (30%)



- Red (30%)
- Yellow (92%)
- Blue (74%)



- Cyan (48%)
- Magenta (0%)
- Yellow (68%)
- Black (8%)



















- Cyan (52%)
- Magenta (8%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 235, 188 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 76, 235, 188 by changing the saturation by 10% instead.

 76, 235, 188	 76, 235, 188
 255, 255, 255	 46, 206, 160
 132, 255, 204	 0, 178, 119
 160, 255, 202	 0, 151, 144
 189, 255, 201	 0, 124, 124
 218, 255, 218	 0, 98, 98
 247, 255, 247	 0, 73, 73
	 0, 50, 50
	 0, 23, 23
	 0, 0, 0

 76, 235, 188

 76, 235, 188

 52, 235, 181

 100, 235, 195

 29, 235, 174

 123, 235, 202

 5, 235, 167

 147, 235, 209

 0, 235, 166

 170, 235, 216

 193, 235, 222

 217, 235, 230

 239, 235, 240

 255, 235, 255

Harmonies

Analogous

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



0, 217, 0



76, 235, 188



0, 149, 245

Triad

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



76, 235, 188



0, 121, 255



255, 126, 179

Complementary

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



76, 235, 188



188, 76, 235

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, 135, 255



76, 235, 188



88, 158, 255

Square

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



76, 235, 188



0, 125, 255



255, 172, 255



255, 177, 101

Rectangle

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



76, 235, 188



0, 133, 248



255, 172, 255



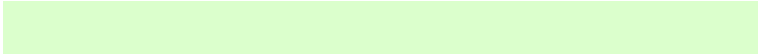
255, 124, 206

Sweetspot

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



76, 235, 188



204, 255, 240



145, 235, 76



97, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



76, 235, 188



48, 255, 193



76, 208, 235



106, 117, 114



0, 181, 127



0, 54, 38

Inverse Universe

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



188, 76, 235



194, 48, 255



235, 76, 203



114, 106, 117



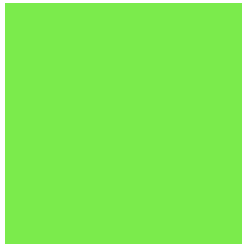
128, 0, 181



38, 0, 54

Previews

White Background



This preview shows how the RYB color 76, 235, 188 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 76, 235, 188 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

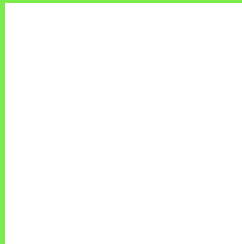
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 76, 235, 188 Background



This preview shows how black text looks on a background with the RYB color 76, 235, 188.

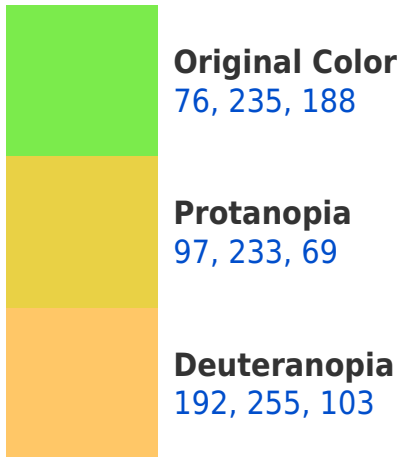



This preview shows how white text looks on a background with the RYB color 76, 235, 188.

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





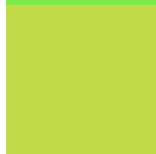
Tritanopia
151, 189, 237

Trichromacy



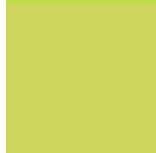
Original Color

76, 235, 188



Protanomaly

72, 218, 97



Deuteranomaly

93, 212, 98



Tritanomaly

141, 199, 225

Monochromacy



Original Color

76, 235, 188



Achromatopsia

183, 183, 183



Achromatomaly

144, 202, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 235, 188 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(123, 235, 76)` looks like.

```
.text, #text, p{  
    color:rgb(123, 235, 76)  
}
```

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(123, 235, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 235, 76) }
```

Border

The CSS property to change the border of an element to RYB 76, 235, 188 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(123, 235, 76) }
```

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

```
.border{ border-color:rgb(123, 235, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 235, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 235, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 235, 76);  
box-shadow:4px 4px 4px 4px rgb(123, 235,  
76) }
```

Background

The CSS property to change the background color of an element to RYB 76, 235, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 235, 76) }
```

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

```
.background{ background-color: rgb(123,  
235, 76) }
```

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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