

Converting Colors

`RYB(79, 205, 116)`

Have a look what the booklet for
RYB(79, 205, 116) contains.

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Color

$\text{RYB}(79, 205, 116)$

Conversions

Conversions Part 1

Format	Color
Hex	A8CD4F
RGB	168, 205, 79
RGB Percent	66%, 80%, 31%
CMY	0.3412, 0.1961, 0.6902
CMYK	0.18, 0.00, 0.61, 0.20
HSL	78°, 56%, 56%
HSV	78°, 61%, 80%
XYZ	39.3911, 52.5520, 15.4646
YIQ	179.5730, 18.3940, -47.0300

Conversions

Conversions Part 2

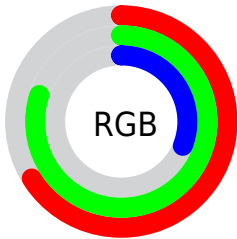
Format	Color
RYB	79, 205, 116
Decimal	11062607
CIELab	77.61, -30.71, 57.05
CIElCh	78, 64.786, 118.293
Yxy	52.5520, 0.3667, 0.4893
Android (android.graphics.Color)	4289252687 (0xFFA8CD4F)
YUV	179.5730, -49.5825, -10.1495
Hunter-Lab	72.4927, -29.8691, 38.0969

Details

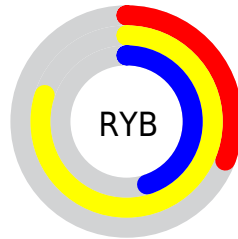
The RYB color **79, 205, 116** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **116, 79, 205**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **133, 255, 162**, and **20, 151, 58** is the 20% darker color. If you saturate the color by 10%, you get **58, 205, 101**, and if you desaturate by 10%, it is **100, 205, 131**.

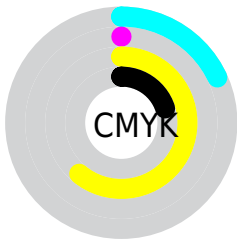
Distribution



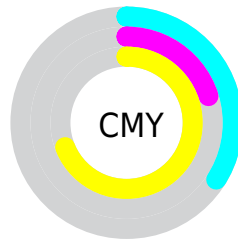
- Red (66%)
- Green (80%)
- Blue (31%)



- Red (31%)
- Yellow (80%)
- Blue (45%)



- Cyan (18%)
- Magenta (0%)
- Yellow (61%)
- Black (20%)



- Cyan (34%)
- Magenta (20%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 79, 205, 116 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 79, 205, 116 by changing the saturation by 10% instead.



79, 205, 116



79, 205, 116

255, 255, 255



52, 177, 89



133, 255, 162



20, 151, 58



160, 255, 160



0, 125, 39



188, 255, 188



0, 100, 41



217, 255, 217



0, 75, 43



246, 255, 246



0, 52, 52



0, 33, 33



0, 0, 0



79, 205, 116



79, 205, 116

■ 58, 205, 101

■ 100, 205, 131

■ 38, 205, 87

■ 120, 205, 145

■ 17, 205, 72

■ 140, 205, 159

■ 0, 205, 60

■ 161, 205, 174

■ 182, 205, 189

■ 202, 205, 203

■ 210, 205, 223

■ 216, 205, 243

■ 222, 205, 255

Harmonies

Analogous

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



117, 228, 64



79, 205, 116



86, 185, 216

Triad

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



79, 205, 116



0, 116, 255



255, 138, 198

Complementary

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



79, 205, 116



116, 79, 205

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, 153, 255



79, 205, 116



9, 116, 255

Square

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



79, 205, 116



0, 117, 247



188, 177, 255



255, 144, 138

Rectangle

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



79, 205, 116



0, 126, 220



188, 177, 255



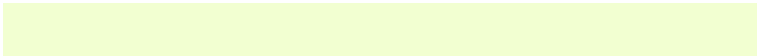
255, 141, 218

Sweetspot

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



79, 205, 116



209, 255, 222



205, 129, 79



99, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



79, 205, 116



66, 255, 121



79, 205, 178



92, 102, 95



0, 166, 49



0, 38, 11

Inverse Universe

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



116, 79, 205



122, 66, 255



178, 79, 205



95, 92, 102



49, 0, 166



11, 0, 38

Previews

White Background



This preview shows how the RYB color 79, 205, 116 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 79, 205, 116 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 79, 205, 116 Background



This preview shows how black text looks on a background with the RYB color 79, 205, 116.



This preview shows how white text looks on a background with the RYB color 79, 205, 116.

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



Original Color

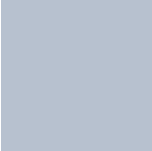
79, 205, 116

Protanopia

100, 213, 75

Deuteranopia

173, 237, 86



Tritanopia
183, 190, 207

Trichromacy



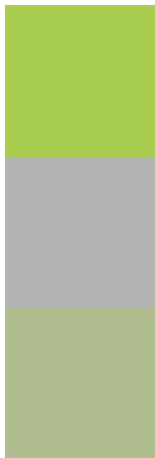
Original Color
79, 205, 116

Protanomaly
76, 197, 76

Deuteranomaly
110, 212, 83

Tritanomaly
160, 197, 179

Monochromacy



Original Color
79, 205, 116

Achromatopsia
180, 180, 180

Achromatomaly
143, 189, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 79, 205, 116 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(168, 205, 79)` looks like.

```
.text, #text, p{  
    color:rgb(168, 205, 79)  
}
```

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(168, 205, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 205, 79) }
```

Border

The CSS property to change the border of an element to RYB 79, 205, 116 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(168, 205, 79) }
```

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

```
.border{ border-color:rgb(168, 205, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 205, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 205, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 205, 79);  
box-shadow:4px 4px 4px 4px rgb(168, 205,  
79) }
```

Background

The CSS property to change the background color of an element to RGB 168, 205, 79 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 205, 79) }
```

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

```
.background{ background-color: rgb(168,  
205, 79) }
```

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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