

Converting Colors

RGB(202, 235, 102)

Have a look what the booklet for
RGB(202, 235, 102) contains.

RGB(202, 235, 102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(202, 235, 102)

Conversions

Conversions Part 1

Format	Color
Hex	CAEB66
RGB	202, 235, 102
RGB Percent	79%, 92%, 40%
CMY	0.2078, 0.0784, 0.6000
CMYK	0.14, 0.00, 0.57, 0.08
HSL	75°, 77%, 66%
HSV	75°, 57%, 92%
XYZ	56.4637, 72.9325, 23.6718
YIQ	209.9710, 23.0250, -48.3590

Conversions

Conversions Part 2

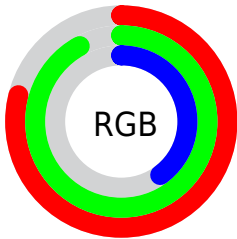
Format	Color
RYB	102, 235, 135
Decimal	13298534
CIELab	88.42, -29.75, 59.77
CIElCh	88, 66.760, 116.460
Yxy	72.9325, 0.3689, 0.4765
Android (android.graphics.Color)	4291488614 (0xFFCAEB66)
YUV	209.9710, -53.2297, -6.9906
Hunter-Lab	85.4005, -31.4333, 43.3460

Details

The RGB color **202, 235, 102** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **135, 102, 235**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **255, 255, 157**, and **145, 179, 47** is the 20% darker color. If you saturate the color by 10%, you get **196, 235, 79**, and if you desaturate by 10%, it is **208, 235, 126**.

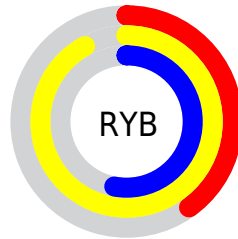
Distribution



Red (79%)

Green (92%)

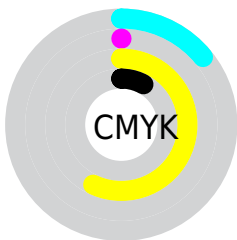
Blue (40%)



Red (40%)

Yellow (92%)

Blue (53%)

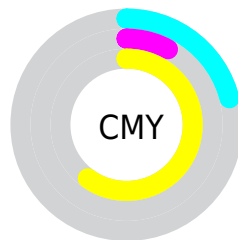


Cyan (14%)

Magenta (0%)

Yellow (57%)

Black (8%)



Cyan (21%)

















Magenta (8%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 202, 235, 102 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 RGB color 202, 235, 102 by changing the saturation by 10% instead.

 202, 235, 102	 202, 235, 102
 255, 255, 255	 173, 207, 75
 255, 255, 157	 145, 179, 47
 255, 255, 185	 118, 152, 10
 255, 255, 214	 90, 126, 0
 255, 255, 243	 64, 101, 0
	 36, 77, 0
	 3, 54, 0
	 0, 34, 0
	 0, 0, 0

202, 235, 102

202, 235, 102

196, 235, 79

208, 235, 126

190, 235, 55

214, 235, 149

185, 235, 32

219, 235, 172

179, 235, 8

225, 235, 196

177, 235, 0

231, 235, 220

237, 235, 243

243, 235, 255

249, 235, 255

254, 235, 255

Harmonies

Analogous

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



255, 216, 89



202, 235, 102



121, 247, 149

Triad

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



202, 235, 102



0, 246, 255



255, 167, 232

Complementary

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



202, 235, 102



135, 102, 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, 183, 255



202, 235, 102



60, 231, 255

Square

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



202, 235, 102



0, 253, 255



213, 208, 255



255, 172, 169

Rectangle

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



202, 235, 102



0, 252, 190



213, 208, 255



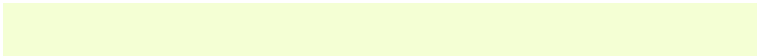
255, 170, 253

Sweetspot

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



202, 235, 102



244, 255, 212



235, 133, 102



121, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



202, 235, 102



212, 255, 82



137, 235, 102



114, 117, 106



136, 181, 0



40, 54, 0

Inverse Universe

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



135, 102, 235



125, 82, 255



200, 102, 235



108, 106, 117



45, 0, 181



13, 0, 54

Previews

White Background



This preview shows how the RGB color 202, 235, 102 looks on a white background.

Color Contrast Check

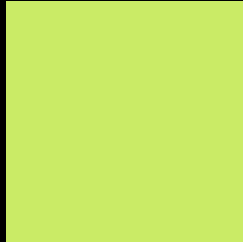
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 202, 235, 102 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](#).

RGB 202, 235, 102 Background



This preview shows how black text looks on a background with the RGB color 202, 235, 102.

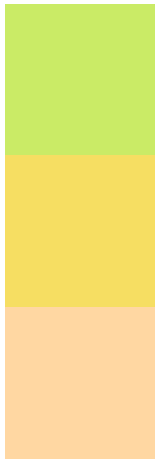


This preview shows how white text looks on a background with the RGB color 202, 235, 102.

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
202, 235, 102

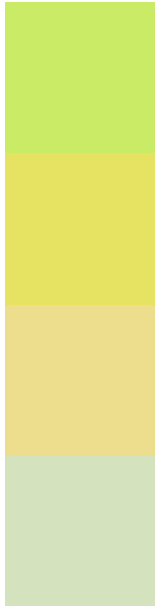
Protanopia
246, 222, 98

Deuteranopia
255, 215, 162



Tritanopia
218, 221, 238

Trichromacy



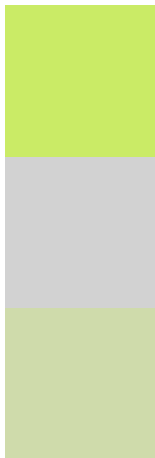
Original Color
202, 235, 102

Protanomaly
230, 227, 99

Deuteranomaly
236, 222, 140

Tritanomaly
212, 226, 189

Monochromacy



Original Color
202, 235, 102

Achromatopsia
210, 210, 210

Achromatomaly
207, 219, 171

CSS Examples

Text

The CSS property to change the color of the text to RGB 202, 235, 102 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(202, 235, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 235, 102)  
}
```

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(202, 235, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 235, 102) }
```

Border

The CSS property to change the border of an element to RGB 202, 235, 102 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(202, 235, 102) }
```

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

```
.border{ border-color:rgb(202, 235, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 235, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 235, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 235, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 235,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 202, 235, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 235, 102) }
```

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

```
.background{ background-color: rgb(202,  
235, 102) }
```

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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