

Converting Colors

`RYB(128, 235, 168)`

Have a look what the booklet for
RYB(128, 235, 168) contains.

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Color

R_YB(128, 235, 168)

Conversions

Conversions Part 1

Format	Color
Hex	C3EB80
RGB	195, 235, 128
RGB Percent	76%, 92%, 50%
CMY	0.2353, 0.0784, 0.4980
CMYK	0.17, 0.00, 0.46, 0.08
HSL	82°, 73%, 71%
HSV	82°, 46%, 92%
XYZ	56.1103, 72.5773, 31.4736
YIQ	210.8420, 10.5070, -41.7570

Conversions

Conversions Part 2

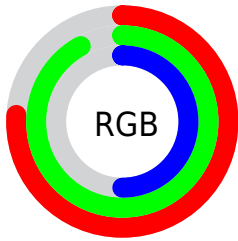
Format	Color
RYB	128, 235, 168
Decimal	12839808
CIELab	88.25, -29.89, 47.50
CIElCh	88, 56.120, 122.186
Yxy	72.5773, 0.3503, 0.4532
Android (android.graphics.Color)	4291029888 (0xFFC3EB80)
YUV	210.8420, -40.8411, -13.8934
Hunter-Lab	85.1923, -31.5209, 37.7304

Details

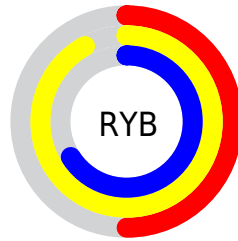
The RYB color **128, 235, 168** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **168, 128, 235**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **183, 255, 185**, and **76, 179, 116** is the 20% darker color. If you saturate the color by 10%, you get **105, 235, 154**, and if you desaturate by 10%, it is **152, 235, 183**.

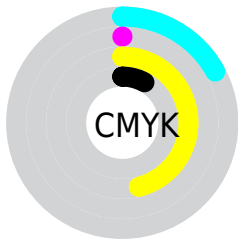
Distribution



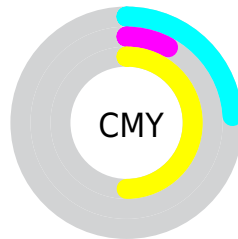
- Red (76%)
- Green (92%)
- Blue (50%)



- Red (50%)
- Yellow (92%)
- Blue (66%)



- Cyan (17%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 235, 168 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 128, 235, 168 by changing the saturation by 10% instead.

 128, 235, 168

255, 255, 255


 183, 255, 185


 211, 255, 211

 240, 255, 240


 128, 235, 168

 102, 207, 142

 76, 179, 116

 50, 152, 90

 22, 126, 62

 0, 101, 41

 0, 77, 42

 0, 54, 52

 0, 34, 34

 0, 0, 0

 128, 235, 168

 128, 235, 168

 105, 235, 154

 152, 235, 183

 81, 235, 139

 175, 235, 197

 57, 235, 123

 198, 235, 212

 34, 235, 109

 222, 235, 227

 10, 235, 94

 239, 235, 245

 0, 235, 88

 248, 235, 255

 255, 235, 255

Harmonies

Analogous

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



150, 250, 112



128, 235, 168



127, 213, 245

Triad

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



128, 235, 168



0, 124, 255



255, 177, 220

Complementary

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



128, 235, 168



168, 128, 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, 187, 255



128, 235, 168



140, 189, 255

Square

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



128, 235, 168



0, 126, 255



231, 206, 255



255, 188, 167

Rectangle

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



128, 235, 168



58, 165, 248



231, 206, 255



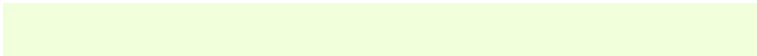
255, 179, 238

Sweetspot

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



128, 235, 168



219, 255, 232



235, 189, 128



106, 128, 115



0, 0, 0



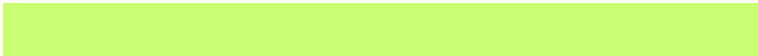
128, 128, 128

Same Dimension

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



128, 235, 168



115, 255, 167



128, 235, 221



106, 117, 110



0, 181, 68



0, 54, 20

Inverse Universe

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



168, 128, 235



167, 115, 255



221, 128, 235



110, 106, 117



68, 0, 181



20, 0, 54

Previews

White Background



This preview shows how the RYB color 128, 235, 168 looks on a white background.

Color Contrast Check

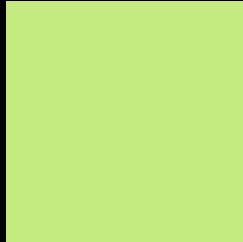
Large Text (above 18pt) WCAG AA × Fail

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 128, 235, 168 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 128, 235, 168 Background



This preview shows how black text looks on a background with the RYB color 128, 235, 168.

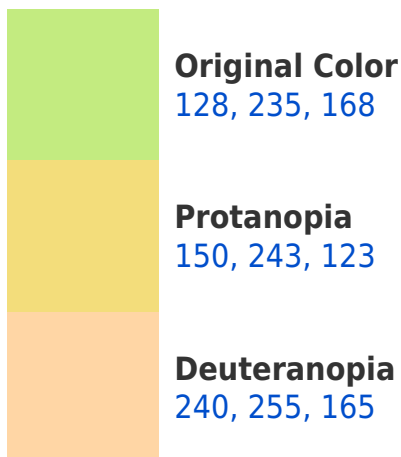


This preview shows how white text looks on a background with the RYB color 128, 235, 168.

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](#).

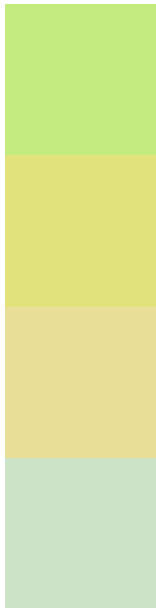
Dichromacy





Tritanopia
210, 219, 240

Trichromacy



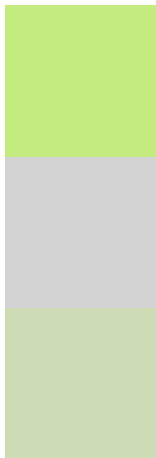
Original Color
128, 235, 168

Protanomaly
125, 226, 125

Deuteranomaly
165, 233, 152

Tritanomaly
199, 227, 221

Monochromacy



Original Color
128, 235, 168

Achromatopsia
211, 211, 211

Achromatomaly
181, 220, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 235, 168 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(195, 235, 128)` looks like.

```
.text, #text, p{  
    color:rgb(195, 235, 128)  
}
```

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(195, 235, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 128) }
```

Border

The CSS property to change the border of an element to RYB 128, 235, 168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

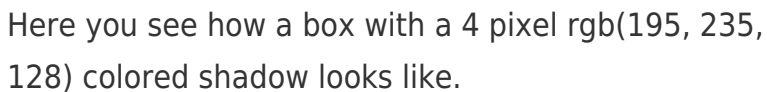
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 235, 128) }
```

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

```
.border{ border-color:rgb(195, 235, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 235, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 235, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 235, 128); box-shadow:4px 4px 4px 4px rgb(195, 235, 128) }
```

Background

The CSS property to change the background color of an element to RYB 128, 235, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 128) }
```

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

```
.background{ background-color: rgb(195,  
235, 128) }
```

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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