

Converting Colors

RGB(128, 229, 85)

Have a look what the booklet for
RGB(128, 229, 85) contains.

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Color

RGB(128, 229, 85)

Conversions

Conversions Part 1

Format	Color
Hex	80E555
RGB	128, 229, 85
RGB Percent	50%, 90%, 33%
CMY	0.4980, 0.1020, 0.6667
CMYK	0.44, 0.00, 0.63, 0.10
HSL	102°, 73%, 62%
HSV	102°, 63%, 90%
XYZ	38.5611, 61.2837, 18.3909
YIQ	182.3850, -13.9720, -66.1960

Conversions

Conversions Part 2

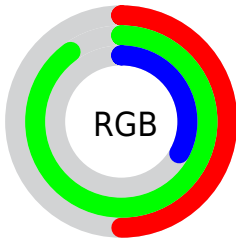
Format	Color
RYB	85, 229, 186
Decimal	8447317
CIELab	82.53, -54.56, 59.33
CIELCh	83, 80.598, 132.601
Yxy	61.2837, 0.3261, 0.5183
Android (android.graphics.Color)	4286637397 (0xFF80E555)
YUV	182.3850, -48.0108, -47.6956
Hunter-Lab	78.2839, -49.0713, 40.8700

Details

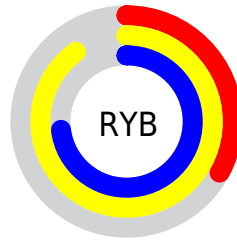
The RGB color **128, 229, 85** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **186, 85, 229**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **187, 255, 140**, and **68, 173, 25** is the 20% darker color. If you saturate the color by 10%, you get **112, 229, 62**, and if you desaturate by 10%, it is **144, 229, 108**.

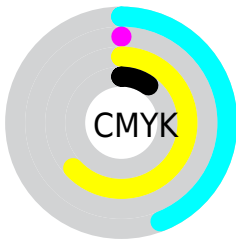
Distribution



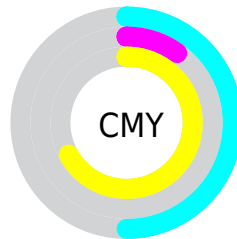
- Red (50%)
- Green (90%)
- Blue (33%)



- Red (33%)
- Yellow (90%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)







- Cyan (50%)
- Magenta (10%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RGB color 128, 229, 85 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 128, 229, 85 by changing the saturation by 10% instead.

 128, 229, 85	 128, 229, 85
 255, 255, 255	 98, 200, 57
 187, 255, 140	 68, 173, 25
 216, 255, 168	 31, 145, 0
 246, 255, 196	 0, 119, 0
 255, 255, 225	 0, 93, 0
 255, 255, 254	 0, 68, 0
	 0, 47, 0
	 0, 16, 0
	 0, 0, 0

■ 128, 229, 85

■ 128, 229, 85

■ 112, 229, 62

■ 144, 229, 108

■ 96, 229, 39

■ 160, 229, 131

■ 80, 229, 16

■ 176, 229, 154

■ 68, 229, 0

■ 192, 229, 177

■ 208, 229, 200

■ 224, 229, 222

■ 240, 229, 245

■ 255, 229, 255

Harmonies

Analogous

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



214, 212, 30



128, 229, 85



0, 238, 157

Triad

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



128, 229, 85



0, 226, 255



255, 132, 177

Complementary

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



128, 229, 85



186, 85, 229

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, 140, 253



128, 229, 85



107, 203, 255

Square

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



128, 229, 85



0, 238, 255



250, 171, 255



255, 154, 106

Rectangle

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



128, 229, 85



0, 241, 210



250, 171, 255



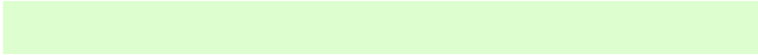
255, 131, 202

Sweetspot

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



128, 229, 85



221, 255, 207



229, 186, 85



107, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



128, 229, 85



121, 255, 64



85, 229, 114



107, 115, 103



53, 179, 0



15, 51, 0

Inverse Universe

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



186, 85, 229



198, 64, 255



229, 85, 200



111, 103, 115



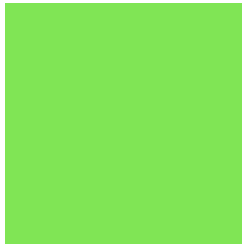
125, 0, 179



36, 0, 51

Previews

White Background



This preview shows how the RGB color 128, 229, 85 looks on a white background.

Color Contrast Check

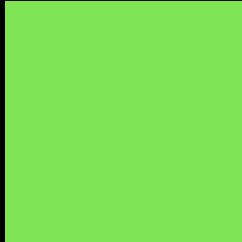
Large Text (above 18pt) WCAG AA × Fail

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 128, 229, 85 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 128, 229, 85 Background



This preview shows how black text looks on a background with the RGB color 128, 229, 85.

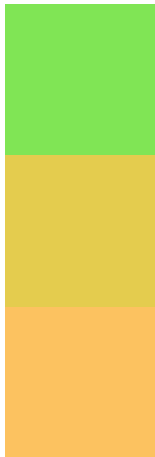


This preview shows how white text looks on a background with the RGB color 128, 229, 85.

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
128, 229, 85

Protanopia
228, 204, 78

Deuteranopia
252, 194, 96



Tritanopia
153, 214, 232

Trichromacy



Original Color

128, 229, 85



Protanomaly

192, 213, 81



Deuteranomaly

207, 207, 92



Tritanomaly

144, 219, 179

Monochromacy



Original Color

128, 229, 85



Achromatopsia

182, 182, 182



Achromatomaly

162, 199, 147

CSS Examples

Text

The CSS property to change the color of the text to RGB 128, 229, 85 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(128, 229, 85)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 85)  
}
```

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(128, 229, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 85) }
```

Border

The CSS property to change the border of an element to RGB 128, 229, 85 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(128, 229, 85) }
```

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

```
.border{ border-color:rgb(128, 229, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
85) }
```

Background

The CSS property to change the background color of an element to RGB 128, 229, 85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 85) }
```

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

```
.background{ background-color: rgb(128,  
229, 85) }
```

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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