

Converting Colors

RGB(129, 227, 91)

Have a look what the booklet for
RGB(129, 227, 91) contains.

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Color

RGB(129, 227, 91)

Conversions

Conversions Part 1

Format	Color
Hex	81E35B
RGB	129, 227, 91
RGB Percent	51%, 89%, 36%
CMY	0.4941, 0.1098, 0.6431
CMYK	0.43, 0.00, 0.60, 0.11
HSL	103°, 71%, 62%
HSV	103°, 60%, 89%
XYZ	38.4107, 60.3606, 19.5238
YIQ	182.1940, -14.7520, -63.0720

Conversions

Conversions Part 2

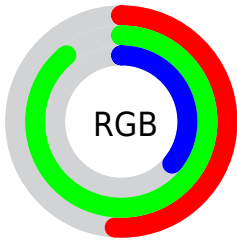
Format	Color
RYB	91, 227, 189
Decimal	8512347
CIELab	82.03, -52.89, 56.24
CIELCh	82, 77.209, 133.242
Yxy	60.3606, 0.3247, 0.5103
Android (android.graphics.Color)	4286702427 (0xFF81E35B)
YUV	182.1940, -44.9586, -46.6511
Hunter-Lab	77.6921, -47.7115, 39.4850

Details

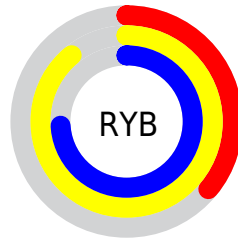
The RGB color **129, 227, 91** is a light color, and the websafe version is hex **66CC33**. The color can be described as light muted chartreuse. A complement of this color would be **189, 91, 227**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **187, 255, 145**, and **70, 171, 35** is the 20% darker color. If you saturate the color by 10%, you get **113, 227, 68**, and if you desaturate by 10%, it is **145, 227, 114**.

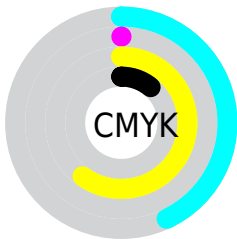
Distribution



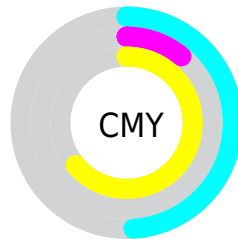
- Red (51%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)



















- Cyan (49%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the RGB color 129, 227, 91 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 129, 227, 91 by changing the saturation by 10% instead.

 129, 227, 91	 129, 227, 91
255, 255, 255	 100, 199, 64
 187, 255, 145	 70, 171, 35
 217, 255, 173	 35, 144, 0
 247, 255, 202	 0, 117, 0
 255, 255, 230	 0, 92, 0
	 0, 67, 0
	 0, 45, 0
	 0, 14, 0
	 0, 0, 0

 129, 227, 91

 129, 227, 91

 113, 227, 68


 145, 227, 114

 96, 227, 46


 162, 227, 136

 80, 227, 23

 178, 227, 159

 64, 227, 0

 194, 227, 182

 63, 227, 0

 211, 227, 205

 227, 227, 227

 244, 227, 250

 255, 227, 255

Harmonies

Analogous

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



211, 211, 43



129, 227, 91



0, 236, 160

Triad

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



129, 227, 91



0, 223, 255



255, 135, 175

Complementary

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



129, 227, 91



189, 91, 227

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, 142, 248



129, 227, 91



120, 201, 255

Square

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



129, 227, 91



0, 235, 255



249, 171, 255



255, 156, 108

Rectangle

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



129, 227, 91



0, 238, 210



249, 171, 255



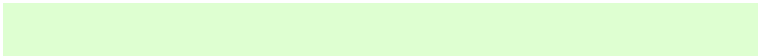
255, 134, 199

Sweetspot

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



129, 227, 91



222, 255, 209



227, 188, 91



107, 128, 99



0, 0, 0



128, 128, 128

Same Dimension

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



129, 227, 91



123, 255, 71



91, 227, 120



106, 115, 103



50, 179, 0



14, 51, 0

Inverse Universe

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



189, 91, 227



204, 71, 255



227, 91, 198



112, 103, 115



129, 0, 179



37, 0, 51

Previews

White Background



This preview shows how the RGB color 129, 227, 91 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 129, 227, 91 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

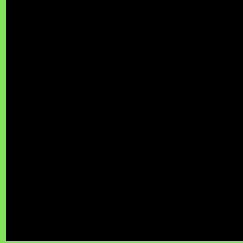
Any Text WCAG AA ✓ Pass

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 129, 227, 91 Background



This preview shows how black text looks on a background with the RGB color 129, 227, 91.

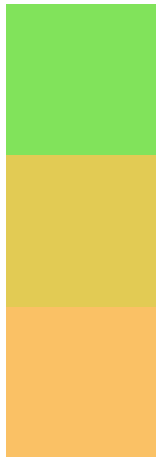


This preview shows how white text looks on a background with the RGB color 129, 227, 91.

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](#).

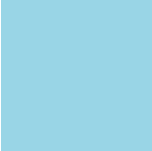
Dichromacy



Original Color
129, 227, 91

Protanopia
226, 203, 84

Deuteranopia
250, 193, 101



Tritanopia
153, 213, 230

Trichromacy



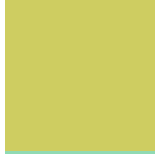
Original Color

129, 227, 91



Protanomaly

191, 212, 87



Deuteranomaly

206, 205, 97



Tritanomaly

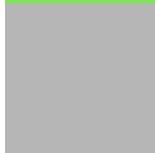
144, 218, 179

Monochromacy



Original Color

129, 227, 91



Achromatopsia

182, 182, 182



Achromatomaly

163, 198, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 129, 227, 91 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(129, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(129, 227, 91)  
}
```

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(129, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 227, 91) }
```

Border

The CSS property to change the border of an element to RGB 129, 227, 91 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(129, 227, 91) }
```

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

```
.border{ border-color:rgb(129, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(129, 227,  
91) }
```

Background

The CSS property to change the background color of an element to RGB 129, 227, 91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 227, 91) }
```

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

```
.background{ background-color: rgb(129,  
227, 91) }
```

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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