

Converting Colors

`RYB(27, 228, 121)`

Have a look what the booklet for
RYB(27, 228, 121) contains.

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Color

$\text{RYB}(27, 228, 121)$

Conversions

Conversions Part 1

Format	Color
Hex	86E41B
RGB	134, 228, 27
RGB Percent	53%, 89%, 11%
CMY	0.4745, 0.1059, 0.8941
CMYK	0.41, 0.00, 0.88, 0.11
HSL	88°, 79%, 50%
HSV	88°, 88%, 89%
XYZ	37.7727, 60.6343, 10.7497
YIQ	176.9800, 8.4970, -82.4390

Conversions

Conversions Part 2

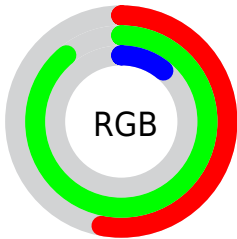
Format	Color
RYB	27, 228, 121
Decimal	8840219
CIELab	82.18, -55.59, 76.84
CIELCh	82, 94.843, 125.883
Yxy	60.6343, 0.3460, 0.5555
Android (android.graphics.Color)	4287030299 (0xFF86E41B)
YUV	176.9800, -73.9401, -37.6935
Hunter-Lab	77.8680, -49.6810, 46.3226

Details

The RYB color **27, 228, 121** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **121, 27, 228**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **96, 255, 157**, and **0, 172, 100** is the 20% darker color. If you saturate the color by 10%, you get **4, 228, 109**, and if you desaturate by 10%, it is **50, 228, 133**.

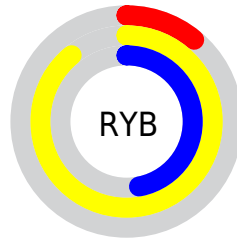
Distribution



Red (53%)

Green (89%)

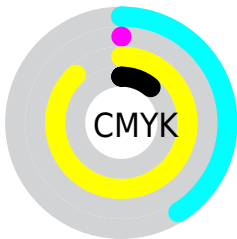
Blue (11%)



Red (11%)

Yellow (89%)

Blue (47%)

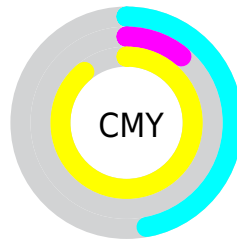


Cyan (41%)

Magenta (0%)

Yellow (88%)

Black (11%)



Cyan (47%)


















Magenta (11%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the RYB color 27, 228, 121 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 27, 228, 121 by changing the saturation by 10% instead.

 27, 228, 121	 27, 228, 121
255, 255, 255	 0, 200, 96
 96, 255, 157	 0, 172, 100
 126, 255, 157	 0, 145, 110
 155, 255, 155	 0, 118, 118
 184, 255, 184	 0, 93, 93
 213, 255, 213	 0, 68, 68
 243, 255, 243	 0, 46, 46
	 0, 14, 14
	 0, 0, 0

■ 27, 228, 121

■ 27, 228, 121

■ 4, 228, 109

■ 50, 228, 133

■ 0, 228, 107

■ 73, 228, 146

■ 95, 228, 157

■ 118, 228, 169

■ 141, 228, 182

■ 164, 228, 194

■ 187, 228, 206

■ 209, 228, 218

■ 230, 228, 232

Harmonies

Analogous

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



26, 229, 0



27, 228, 121



0, 157, 240

Triad

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



27, 228, 121



0, 122, 255



255, 104, 191

Complementary

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



27, 228, 121



121, 27, 228

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, 127, 255



27, 228, 121



0, 115, 255

Square

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



27, 228, 121



0, 124, 255



226, 172, 255



255, 135, 105

Rectangle

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



27, 228, 121



0, 137, 243



226, 172, 255



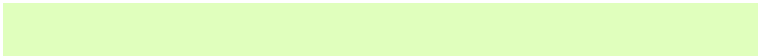
255, 106, 221

Sweetspot

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



27, 228, 121



189, 255, 220



228, 204, 27



88, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



27, 228, 121



0, 255, 119



27, 228, 221



103, 115, 109



0, 179, 84



0, 51, 24

Inverse Universe

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



121, 27, 228



119, 0, 255



221, 27, 228



109, 103, 115



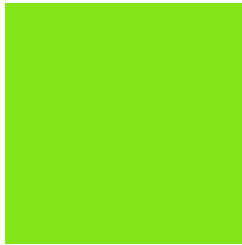
83, 0, 179



24, 0, 51

Previews

White Background



This preview shows how the RYB color 27, 228, 121 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 27, 228, 121 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 27, 228, 121 Background



This preview shows how black text looks on a background with the RYB color 27, 228, 121.



This preview shows how white text looks on a background with the RYB color 27, 228, 121.

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](#).

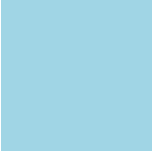
Dichromacy



Original Color
27, 228, 121

Protanopia
46, 229, 18

Deuteranopia
145, 255, 55



Tritanopia
160, 190, 229

Trichromacy



Original Color

27, 228, 121



Protanomaly

21, 213, 40



Deuteranomaly

50, 211, 45



Tritanomaly

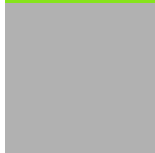
151, 213, 218

Monochromacy



Original Color

27, 228, 121



Achromatopsia

177, 177, 177



Achromatomaly

122, 196, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 228, 121 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(134, 228, 27)` looks like.

```
.text, #text, p{  
    color:rgb(134, 228, 27)  
}
```

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(134, 228, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 228, 27) }
```

Border

The CSS property to change the border of an element to RYB 27, 228, 121 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(134, 228, 27) }
```

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

```
.border{ border-color:rgb(134, 228, 27) }
```

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

Here you see how a box with a 4 pixel rgb(134, 228, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 228, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 228, 27);  
box-shadow:4px 4px 4px 4px rgb(134, 228,  
27) }
```

Background

The CSS property to change the background color of an element to RGB 27, 228, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 228, 27) }
```

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

```
.background{ background-color: rgb(134,  
228, 27) }
```

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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