

Converting Colors

`RYB(27, 200, 234)`

Have a look what the booklet for
RYB(27, 200, 234) contains.

RYB(27, 200, 234)	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

RYB(27, 200, 234)

Conversions

Conversions Part 1

Format	Color
Hex	1BEA44
RGB	27, 234, 68
RGB Percent	11%, 92%, 27%
CMY	0.8941, 0.0824, 0.7346
CMYK	0.88, 0.00, 0.71, 0.08
HSL	132°, 83%, 51%
HSV	132°, 88%, 92%
XYZ	30.9085, 59.4921, 15.2722
YIQ	153.1830, -70.0860, -95.5100

Conversions

Conversions Part 2

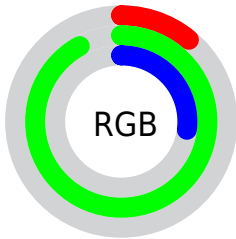
Format	Color
RYB	27, 200, 234
Decimal	1829444
CIELab	81.56, -76.69, 64.29
CIELCh	82, 100.074, 140.024
Yxy	59.4921, 0.2925, 0.5630
Android (android.graphics.Color)	4280019524 (0xFF1BEA44)
YUV	153.1830, -41.9952, -110.6625
Hunter-Lab	77.1311, -63.4498, 42.2522

Details

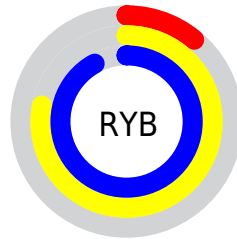
The RYB color **27, 200, 234** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **234, 27, 193**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **118, 248, 255**, and **0, 176, 176** is the 20% darker color. If you saturate the color by 10%, you get **4, 196, 234**, and if you desaturate by 10%, it is **50, 204, 234**.

Distribution



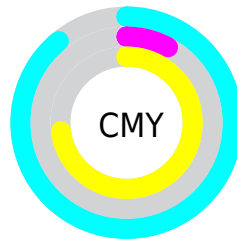
- Red (11%)
- Green (92%)
- Blue (27%)



- Red (11%)
- Yellow (78%)
- Blue (92%)



- Cyan (88%)
- Magenta (0%)
- Yellow (71%)
- Black (8%)





- Cyan (89%)
- Magenta (8%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 27, 200, 234 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, 200, 234 by changing the saturation by 10% instead.

 27, 200, 234	 27, 200, 234
255, 255, 255	 0, 174, 205
 118, 249, 255	 0, 176, 176
 151, 254, 255	 0, 149, 149
 181, 255, 253	 0, 121, 121
 210, 255, 250	 0, 95, 95
 239, 255, 247	 0, 69, 69
	 0, 44, 44
	 0, 11, 11
	 0, 0, 0

■ 27, 200, 234

■ 27, 200, 234

■ 4, 196, 234

■ 50, 204, 234

■ 0, 196, 234

■ 74, 208, 234

■ 97, 211, 234

■ 121, 216, 234

■ 144, 219, 234

■ 167, 223, 234

■ 191, 227, 234

■ 214, 231, 234

■ 238, 234, 237

Harmonies

Analogous

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



0, 217, 33



27, 200, 234



0, 143, 242

Triad

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



27, 200, 234



0, 119, 255



255, 99, 145

Complementary

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



27, 200, 234



234, 27, 193

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, 98, 238



27, 200, 234



118, 166, 255

Square

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



27, 200, 234



0, 123, 255



255, 145, 255



255, 217, 54

Rectangle

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



27, 200, 234



0, 125, 244



255, 145, 255



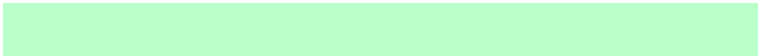
255, 91, 175

Sweetspot

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



27, 200, 234



186, 243, 255



27, 234, 65



87, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



27, 200, 234



0, 213, 255



27, 150, 234



106, 115, 117



0, 151, 181



0, 45, 54

Inverse Universe

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



234, 27, 193



255, 0, 205



234, 27, 93



117, 106, 115



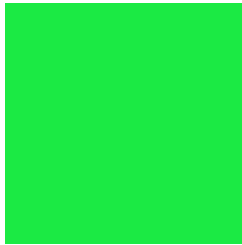
181, 0, 145



54, 0, 43

Previews

White Background



This preview shows how the RYB color 27, 200, 234 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, 200, 234 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](#).

R_YB 27, 200, 234 Background



This preview shows how black text looks on a background with the R_YB color 27, 200, 234.

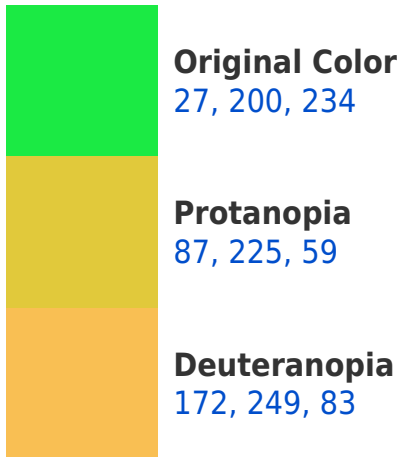


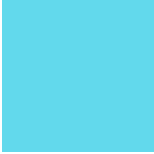
This preview shows how white text looks on a background with the R_YB color 27, 200, 234.

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
98, 162, 236

Trichromacy



Original Color

27, 200, 234



Protanomaly

62, 213, 122



Deuteranomaly

77, 207, 116



Tritanomaly

72, 163, 224

Monochromacy



Original Color

27, 200, 234



Achromatopsia

153, 153, 153



Achromatomaly

107, 170, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 200, 234 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(27, 234, 68)` looks like.

```
.text, #text, p{  
    color:rgb(27, 234, 68)  
}
```

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(27, 234, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 234, 68) }
```

Border

The CSS property to change the border of an element to RYB 27, 200, 234 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(27, 234, 68) }
```

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

```
.border{ border-color:rgb(27, 234, 68) }
```

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

Here you see how a box with a 4 pixel rgb(27, 234, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 234, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 234, 68);  
box-shadow:4px 4px 4px 4px rgb(27, 234,  
68) }
```

Background

The CSS property to change the background color of an element to RGB 27, 234, 68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 234, 68) }
```

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

```
.background{ background-color: rgb(27, 234,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor