

Converting Colors

`RYB(27, 173, 255)`

Have a look what the booklet for
RYB(27, 173, 255) contains.

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Color

`RYB(27, 173, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	1BFF9B
RGB	27, 255, 155
RGB Percent	11%, 100%, 61%
CMY	0.8941, 0.0000, 0.3919
CMYK	0.89, 0.00, 0.39, 0.00
HSL	154°, 100%, 55%
HSV	154°, 89%, 100%
XYZ	42.1330, 74.1214, 43.1207
YIQ	175.4280, -103.7880, -79.4360

Conversions

Conversions Part 2

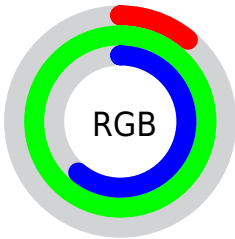
Format	Color
RYB	27, 173, 255
Decimal	1834907
CIELab	88.98, -71.26, 34.13
CIELCh	89, 79.010, 154.409
Yxy	74.1214, 0.2644, 0.4651
Android (android.graphics.Color)	4280024987 (0xFF1BFF9B)
YUV	175.4280, -10.0710, -130.1714
Hunter-Lab	86.0938, -63.3090, 30.5698

Details

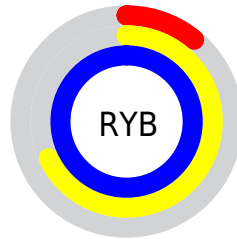
The RYB color **27, 173, 255** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **255, 27, 127**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **120, 201, 255**, and **0, 129, 197** is the 20% darker color. If you saturate the color by 10%, you get **1, 164, 255**, and if you desaturate by 10%, it is **52, 182, 255**.

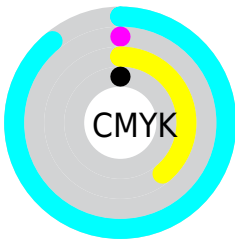
Distribution



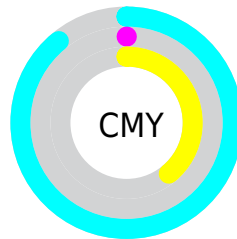
- Red (11%)
- Green (100%)
- Blue (61%)



- Red (11%)
- Yellow (68%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





















- Cyan (89%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the RYB color 27, 173, 255 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, 173, 255 by changing the saturation by 10% instead.

 27, 173, 255	 27, 173, 255
 255, 255, 255	 0, 144, 226
 120, 201, 255	 0, 129, 197
 155, 209, 255	 0, 115, 168
 187, 221, 255	 0, 102, 141
 219, 237, 255	 0, 91, 114
 251, 253, 255	 0, 85, 87
	 0, 63, 63
	 0, 37, 37
	 0, 0, 0


 27, 173, 255

 27, 173, 255

 1, 164, 255

 52, 182, 255

 0, 163, 255

 78, 192, 255

 103, 200, 255

 129, 210, 255

 154, 219, 255

 180, 228, 255

 205, 237, 255

 231, 247, 255

255, 255, 255

Harmonies

Analogous

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



89, 243, 157



27, 173, 255



0, 133, 255

Triad

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



27, 173, 255



61, 151, 255



255, 172, 142

Complementary

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



27, 173, 255



255, 27, 127

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, 152, 215



27, 173, 255



241, 199, 255

Square

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



27, 173, 255



0, 126, 255



255, 167, 255



176, 255, 84

Rectangle

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



27, 173, 255



0, 128, 255



255, 167, 255



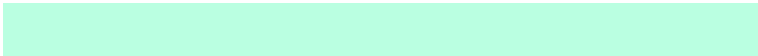
255, 159, 166

Sweetspot

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



27, 173, 255



186, 230, 255



27, 255, 152



87, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



27, 173, 255



0, 163, 255



27, 138, 255



115, 123, 128



0, 122, 191



0, 41, 64

Inverse Universe

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



255, 27, 127



255, 0, 112



255, 39, 27



128, 115, 120



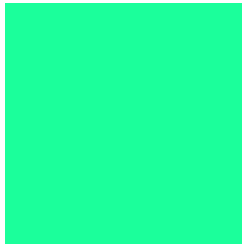
191, 0, 84



64, 0, 28

Previews

White Background



This preview shows how the RYB color 27, 173, 255 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, 173, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

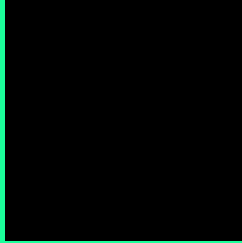
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

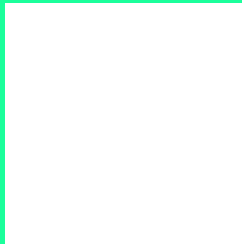
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 27, 173, 255 Background



This preview shows how black text looks on a background with the RGB color 27, 173, 255.



This preview shows how white text looks on a background with the RGB color 27, 173, 255.

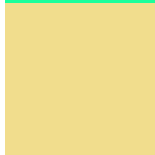
Color Blindness Simulation

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



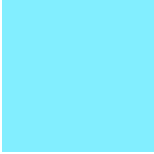
Original Color
27, 173, 255



Protanopia
166, 241, 141



Deuteranopia
255, 249, 176



Tritanopia
130, 188, 255

Trichromacy



Original Color

27, 173, 255



Protanomaly

146, 233, 216



Deuteranomaly

168, 229, 225



Tritanomaly

93, 176, 245

Monochromacy



Original Color

27, 173, 255



Achromatopsia

175, 175, 175



Achromatomaly

121, 174, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 173, 255 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, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 155)  
}
```

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, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 155) }
```

Border

The CSS property to change the border of an element to RYB 27, 173, 255 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, 255, 155) }
```

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

```
.border{ border-color:rgb(27, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 27, 173, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 155) }
```

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

```
.background{ background-color: rgb(27, 255,  
155) }
```

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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