

Converting Colors

`RYB(19, 169, 229)`

Have a look what the booklet for RYB(19, 169, 229) contains.

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Color

RYB(19, 169, 229)

Conversions

Conversions Part 1

Format	Color
Hex	13E567
RGB	19, 229, 103
RGB Percent	7%, 90%, 40%
CMY	0.9255, 0.1020, 0.5961
CMYK	0.92, 0.00, 0.55, 0.10
HSL	144°, 85%, 49%
HSV	144°, 92%, 90%
XYZ	30.7361, 57.1563, 22.2443
YIQ	151.8460, -84.7140, -83.7060

Conversions

Conversions Part 2

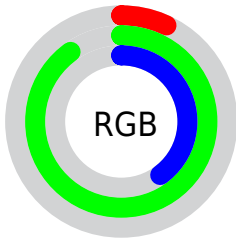
Format	Color
RYB	19, 169, 229
Decimal	1303911
CIELab	80.27, -71.75, 48.19
CIELCh	80, 86.430, 146.116
Yxy	57.1563, 0.2791, 0.5190
Android (android.graphics.Color)	4279493991 (0xFF13E567)
YUV	151.8460, -24.0811, -116.5059
Hunter-Lab	75.6018, -59.7337, 35.4764

Details

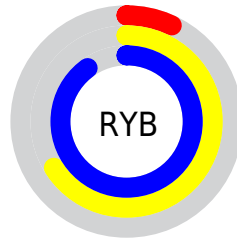
The RYB color **19, 169, 229** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **229, 19, 145**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **112, 221, 255**, and **0, 133, 172** is the 20% darker color. If you saturate the color by 10%, you get **0, 163, 229**, and if you desaturate by 10%, it is **42, 175, 229**.

Distribution



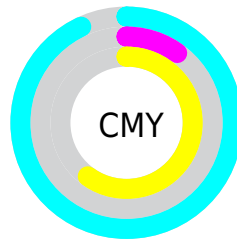
- Red (7%)
- Green (90%)
- Blue (40%)



- Red (7%)
- Yellow (66%)
- Blue (90%)



- Cyan (92%)
- Magenta (0%)
- Yellow (55%)
- Black (10%)




















- Cyan (93%)
- Magenta (10%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 169, 229 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 19, 169, 229 by changing the saturation by 10% instead.

 19, 169, 229	 19, 169, 229
 255, 255, 255	 0, 144, 200
 112, 221, 255	 0, 133, 172
 146, 226, 255	 0, 126, 144
 178, 231, 255	 0, 117, 117
 209, 236, 255	 0, 91, 91
 241, 248, 255	 0, 65, 65
	 0, 41, 41
	 0, 2, 2
	 0, 0, 0

■ 19, 169, 229

■ 19, 169, 229

■ 0, 163, 229

■ 42, 175, 229

■ 65, 182, 229

■ 88, 189, 229

■ 111, 195, 229

■ 134, 202, 229

■ 156, 208, 229

■ 179, 215, 229

■ 202, 221, 229

■ 225, 228, 229

Harmonies

Analogous

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



16, 215, 63



19, 169, 229



0, 131, 235

Triad

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



19, 169, 229



0, 116, 255



255, 125, 133

Complementary

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



19, 169, 229



229, 19, 145

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, 116, 213



19, 169, 229



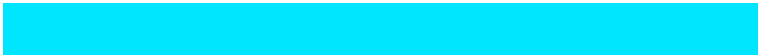
175, 181, 255

Square

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



19, 169, 229



0, 121, 255



255, 144, 255



249, 255, 60

Rectangle

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



19, 169, 229



0, 119, 242



255, 144, 255



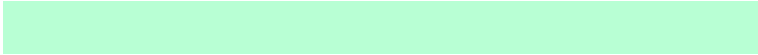
255, 117, 159

Sweetspot

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



19, 169, 229



184, 235, 255



19, 229, 103



84, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



19, 169, 229



0, 182, 255



19, 130, 229



103, 111, 115



0, 128, 179



0, 37, 51

Inverse Universe

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



229, 19, 145



255, 0, 153



229, 19, 40



115, 103, 110



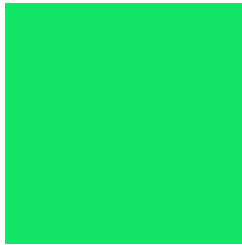
179, 0, 107



51, 0, 31

Previews

White Background



This preview shows how the RYB color 19, 169, 229 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 19, 169, 229 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 19, 169, 229 Background



This preview shows how black text looks on a background with the RGB color 19, 169, 229.

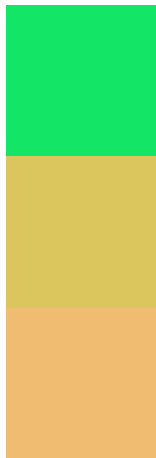


This preview shows how white text looks on a background with the RGB color 19, 169, 229.

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
19, 169, 229

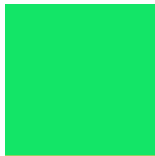
Protanopia
120, 219, 93

Deuteranopia
203, 240, 114



Tritanopia
91, 157, 233

Trichromacy



Original Color

19, 169, 229



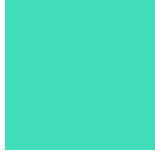
Protanomaly

97, 209, 160



Deuteranomaly

110, 203, 153



Tritanomaly

65, 152, 220

Monochromacy



Original Color

19, 169, 229



Achromatopsia

152, 152, 152



Achromatomaly

104, 158, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 169, 229 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(19, 229, 103)` looks like.

```
.text, #text, p{  
    color:rgb(19, 229, 103)  
}
```

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(19, 229, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 229, 103) }
```

Border

The CSS property to change the border of an element to RYB 19, 169, 229 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(19, 229, 103) }
```

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

```
.border{ border-color:rgb(19, 229, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 229, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 229, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 229, 103);  
box-shadow:4px 4px 4px 4px rgb(19, 229,  
103) }
```

Background

The CSS property to change the background color of an element to RGB 19, 169, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 229, 103) }
```

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

```
.background{ background-color: rgb(19, 229,  
103) }
```

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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