Converting Colors

RGB(18, 191, 0)

Have a look what the booklet for RGB(18, 191, 0) contains.

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Color

RGB(18, 191, 0)

Conversions

Conversions Part 1

Format	Color
Hex	12BF00
RGB	18, 191, 0
RGB Percent	7%, 75%, 0%
CMY	0.9294, 0.2510, 1.0000
CMYK	0.91, 0.00, 1.00, 0.25
HSL	114°, 100%, 37%
HSV	114°, 100%, 75%
XYZ	18.8803, 37.3902, 6.2219
YIQ	117.4990, -41.7970, -96.0770

Conversions

Conversions Part 2

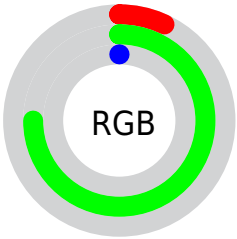
Format	Color
RYB	0, 191, 173
Decimal	1228544
CIELab	67.57, -68.47, 67.05
CIELCh	68, 95.834, 135.601
Yxy	37.3902, 0.3021, 0.5983
Android (android.graphics.Color)	4279418624 (0xFF12BF00)
YUV	117.4990, -57.9270, -87.2606
Hunter-Lab	61.1475, -51.8935, 36.7703

Details

The RGB color 18, 191, 0 is a dark color, and the websafe version is hex 33CC00. A complement of this color would be 173, 0, 191, and the grayscale version is 118, 118, 118.

A 20% lighter version of the original color is 105, 249, 79, and 0, 136, 0 is the 20% darker color. If you saturate the color by 10%, you get 18, 191, 0, and if you desaturate by 10%, it is 35, 191, 19.

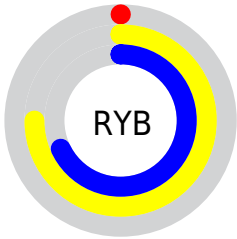
Distribution



Red (7%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

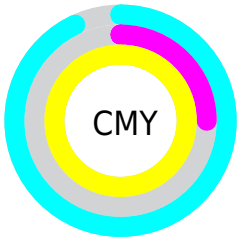
Blue (68%)

Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (93%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RGB color 18, 191, 0 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 18, 191, 0 by changing the saturation by 10% instead.

18, 191, 0	18, 191, 0
255, 255, 255	0, 163, 0
105, 249, 79	0, 136, 0
137, 255, 107	0, 109, 0
169, 255, 135	0, 83, 0
199, 255, 164	0, 59, 0
230, 255, 192	0, 34, 0
255, 255, 222	0, 0, 0
255, 255, 251	

18, 191, 0

35, 191, 19

53, 191, 38

70, 191, 57

87, 191, 76

105, 191, 96

122, 191, 115

139, 191, 134

156, 191, 153

174, 191, 172

Harmonies

Analogous

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

157, 175, 0

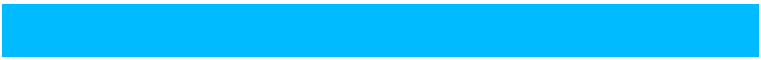
18, 191, 0

0, 199, 118

Triad

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

18, 191, 0



0, 187, 255

255, 47, 124

Complementary

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

18, 191, 0

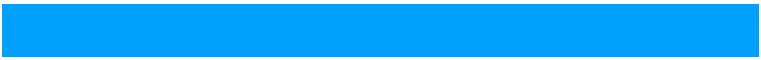
173, 0, 191

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, 59, 210

18, 191, 0

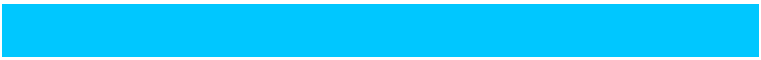


0, 160, 255

Square

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

18, 191, 0



0, 199, 255

222, 116, 255

255, 101, 38

Rectangle

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

18, 191, 0

0, 201, 179

222, 116, 255

255, 37, 152

Sweetspot

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

18, 191, 0

180, 247, 173

191, 172, 0

84, 125, 80

252, 252, 252

125, 125, 125

Same Dimension

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

18, 191, 0

23, 247, 0

0, 191, 76

86, 94, 85

15, 158, 0

3, 31, 0

Inverse Universe

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

173, 0, 191

224, 0, 247

191, 0, 115

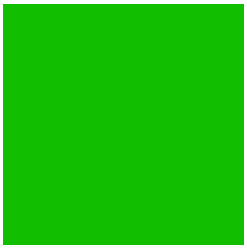
93, 85, 94

143, 0, 158

28, 0, 31

Previews

White Background

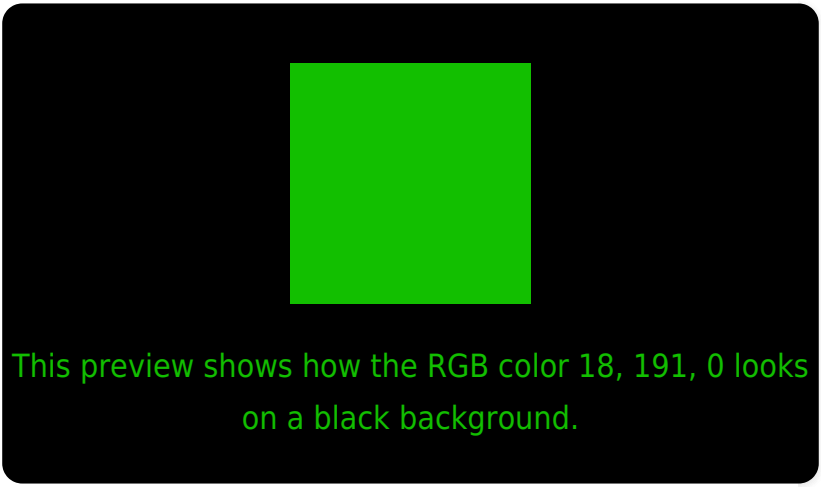


This preview shows how the RGB color 18, 191, 0 looks on a white background.

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

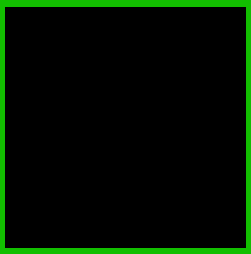


Color Contrast Check

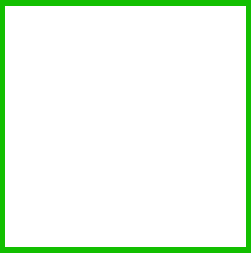
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 18, 191, 0 Background



This preview shows how black text looks on a background with the RGB color 18, 191, 0.

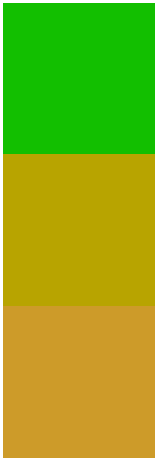


This preview shows how white text looks on a background with the RGB color 18, 191, 0.

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
18, 191, 0

Protanopia
184, 164, 0

Deuteranopia
205, 155, 41

Tritanopia
82, 178, 192

Trichromacy

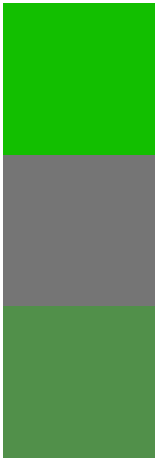
Original Color
18, 191, 0

Protanomaly
124, 174, 0

Deuteranomaly
137, 168, 26

Tritanomaly
59, 183, 122

Monochromacy



Original Color
18, 191, 0

Achromatopsia
117, 117, 117

Achromatomaly
81, 144, 74

CSS Examples

Text

The CSS property to change the color of the text to RGB 18, 191, 0 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(18, 191, 0) looks like.

```
.text, #text, p{
    color:rgb(18, 191, 0)
}
```

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(18, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 191, 0) }
```

Border

The CSS property to change the border of an element to RGB 18, 191, 0 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(18, 191, 0) }
```

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

```
.border{ border-color:rgb(18, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(18, 191, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(18, 191, 0); box-shadow:4px 4px 4px 4px rgb(18, 191, 0) }
```

Background

The CSS property to change the background color of an element to RGB 18, 191, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(18, 191, 0) }
```

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

```
.background{ background-color:rgb(18, 191,
0) }
```

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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