

Converting Colors

`RYB(18, 221, 250)`

Have a look what the booklet for
RYB(18, 221, 250) contains.

RYB(18, 221, 250)	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(18, 221, 250)

Conversions

Conversions Part 1

Format	Color
Hex	12FA33
RGB	18, 250, 51
RGB Percent	7%, 98%, 20%
CMY	0.9294, 0.0196, 0.7994
CMYK	0.93, 0.00, 0.80, 0.02
HSL	129°, 96%, 53%
HSV	129°, 93%, 98%
XYZ	35.0358, 68.7401, 14.5701
YIQ	157.9460, -74.3930, -111.0730

Conversions

Conversions Part 2

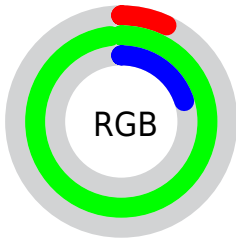
Format	Color
RYB	18, 221, 250
Decimal	1243699
CIELab	86.38, -82.77, 74.21
CIELCh	86, 111.166, 138.120
Yxy	68.7401, 0.2960, 0.5808
Android (android.graphics.Color)	4279433779 (0xFF12FA33)
YUV	157.9460, -52.7244, -122.7326
Hunter-Lab	82.9096, -69.6618, 47.6174

Details

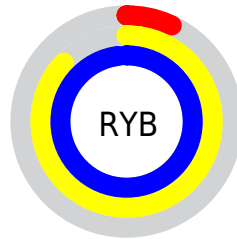
The RYB color **18, 221, 250** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **250, 18, 217**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **113, 255, 248**, and **0, 192, 192** is the 20% darker color. If you saturate the color by 10%, you get **0, 219, 250**, and if you desaturate by 10%, it is **43, 224, 250**.

Distribution



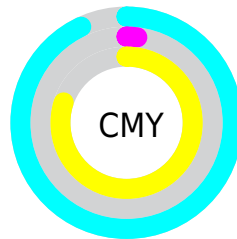
- Red (7%)
- Green (98%)
- Blue (20%)



- Red (7%)
- Yellow (87%)
- Blue (98%)



- Cyan (93%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)



















- Cyan (93%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 221, 250 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 18, 221, 250 by changing the saturation by 10% instead.

 18, 221, 250	 18, 221, 250
255, 255, 255	 0, 221, 221
 113, 255, 248	 0, 192, 192
 142, 255, 242	 0, 163, 163
 171, 255, 238	 0, 136, 136
 201, 255, 235	 0, 108, 108
 230, 255, 232	 0, 82, 82
	 0, 57, 57
	 0, 30, 30
	 0, 0, 0

■ 18, 221, 250

■ 18, 221, 250

■ 0, 219, 250

■ 43, 224, 250

■ 68, 227, 250

■ 93, 231, 250

■ 118, 233, 250

■ 143, 237, 250

■ 168, 240, 250

■ 193, 243, 250

■ 218, 246, 250

■ 243, 249, 250

Harmonies

Analogous

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



0, 231, 31



18, 221, 250



0, 153, 255

Triad

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



18, 221, 250



0, 124, 255



255, 89, 158

Complementary

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



18, 221, 250



250, 18, 217

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, 92, 255



18, 221, 250



77, 152, 255

Square

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



18, 221, 250



0, 128, 255



255, 153, 255



255, 220, 54

Rectangle

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



18, 221, 250



0, 131, 255



255, 153, 255



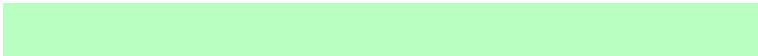
255, 79, 192

Sweetspot

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



18, 221, 250



184, 246, 255



18, 250, 49



84, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



18, 221, 250



0, 223, 255



18, 160, 250



112, 123, 125



0, 165, 189



0, 53, 61

Inverse Universe

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



250, 18, 217



255, 0, 219



250, 18, 103



125, 112, 123



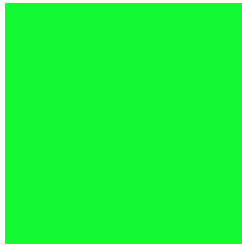
189, 0, 162



61, 0, 52

Previews

White Background



This preview shows how the RYB color 18, 221, 250 looks on a white background.

Color Contrast Check

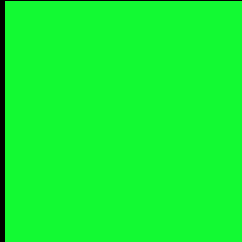
Large Text (above 18pt) WCAG AA × Fail

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 18, 221, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

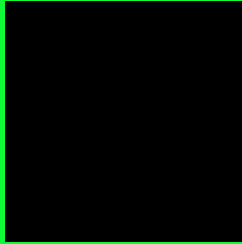
Any Text WCAG AA ✓ Pass

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 18, 221, 250 Background



This preview shows how black text looks on a background with the RGB color 18, 221, 250.

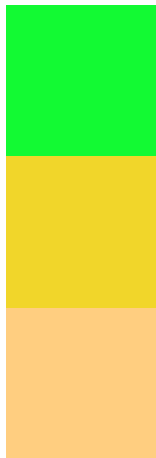


This preview shows how white text looks on a background with the RGB color 18, 221, 250.

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](#).

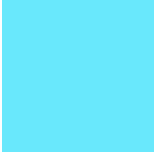
Dichromacy



Original Color
18, 221, 250

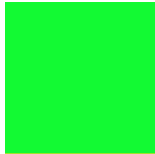
Protanopia
73, 241, 42

Deuteranopia
208, 255, 128



Tritanopia
105, 173, 252

Trichromacy



Original Color

18, 221, 250



Protanomaly

45, 227, 112



Deuteranomaly

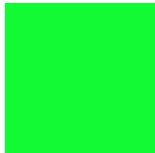
100, 222, 153



Tritanomaly

73, 174, 239

Monochromacy



Original Color

18, 221, 250



Achromatopsia

158, 158, 158



Achromatomaly

107, 181, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 221, 250 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, 250, 51)` looks like.

```
.text, #text, p{  
    color:rgb(18, 250, 51)  
}
```

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, 250, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 250, 51) }
```

Border

The CSS property to change the border of an element to RYB 18, 221, 250 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, 250, 51) }
```

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

```
.border{ border-color:rgb(18, 250, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 250, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 250, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 250, 51);  
box-shadow:4px 4px 4px 4px rgb(18, 250,  
51) }
```

Background

The CSS property to change the background color of an element to RYB 18, 221, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 250, 51) }
```

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

```
.background{ background-color: rgb(18, 250,  
51) }
```

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