

Converting Colors

`RYB(11, 212, 255)`

Have a look what the booklet for
RYB(11, 212, 255) contains.

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Color

RYB(11, 212, 255)

Conversions

Conversions Part 1

Format	Color
Hex	0BFF3F
RGB	11, 255, 63
RGB Percent	4%, 100%, 25%
CMY	0.9569, 0.0000, 0.7522
CMYK	0.96, 0.00, 0.75, 0.00
HSL	133°, 100%, 52%
HSV	133°, 96%, 100%
XYZ	36.8008, 71.9523, 16.6804
YIQ	160.1560, -83.7920, -111.4400

Conversions

Conversions Part 2

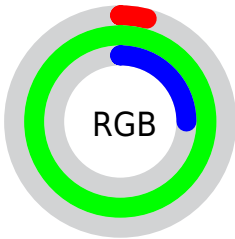
Format	Color
RYB	11, 212, 255
Decimal	786239
CIELab	87.95, -83.62, 72.20
CIELCh	88, 110.474, 139.190
Yxy	71.9523, 0.2934, 0.5736
Android (android.graphics.Color)	4278976319 (0xFF0BFF3F)
YUV	160.1560, -47.8979, -130.8098
Hunter-Lab	84.8247, -71.0018, 47.7181

Details

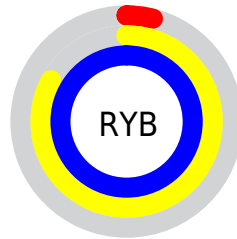
The RYB color **11, 212, 255** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **255, 11, 203**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **120, 252, 255**, and **0, 196, 196** is the 20% darker color. If you saturate the color by 10%, you get **0, 210, 255**, and if you desaturate by 10%, it is **36, 216, 255**.

Distribution



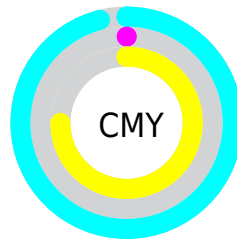
- Red (4%)
- Green (100%)
- Blue (25%)



- Red (4%)
- Yellow (83%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




















- Cyan (96%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 11, 212, 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 11, 212, 255 by changing the saturation by 10% instead.

 11, 212, 255	 11, 212, 255
 255, 255, 255	 0, 203, 225
 120, 252, 255	 0, 196, 196
 152, 255, 252	 0, 168, 168
 181, 255, 248	 0, 140, 140
 210, 255, 244	 0, 113, 113
 240, 255, 241	 0, 86, 86
	 0, 61, 61
	 0, 35, 35
	 0, 0, 0

 11, 212, 255

 11, 212, 255

 0, 210, 255

 36, 216, 255

 62, 221, 255

 88, 226, 255

 113, 230, 255

 139, 235, 255

 164, 239, 255

 190, 243, 255

 215, 248, 255

 241, 253, 255

Harmonies

Analogous

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



0, 236, 35



11, 212, 255



0, 150, 255

Triad

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



11, 212, 255



0, 125, 255



255, 99, 159

Complementary

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



11, 212, 255



255, 11, 203

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, 99, 255



11, 212, 255



107, 168, 255

Square

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



11, 212, 255



0, 128, 255



255, 156, 255



255, 247, 55

Rectangle

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



11, 212, 255



0, 129, 255



255, 156, 255



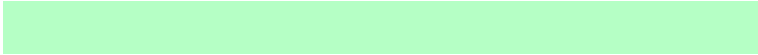
255, 89, 193

Sweetspot

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



11, 212, 255



181, 242, 255



11, 255, 60



83, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



11, 212, 255



0, 210, 255



11, 154, 255



115, 126, 128



0, 157, 191



0, 53, 64

Inverse Universe

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



255, 11, 203



255, 0, 200



255, 11, 84



128, 115, 125



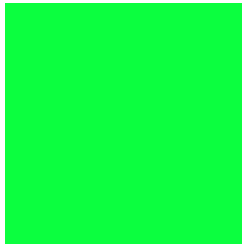
191, 0, 150



64, 0, 50

Previews

White Background



This preview shows how the RYB color 11, 212, 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 11, 212, 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

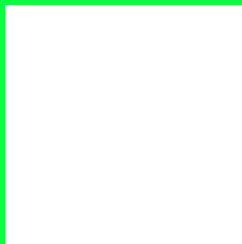
Any Text WCAG AAA ✓ Pass

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

RGB 11, 212, 255 Background



This preview shows how black text looks on a background with the RGB color 11, 212, 255.

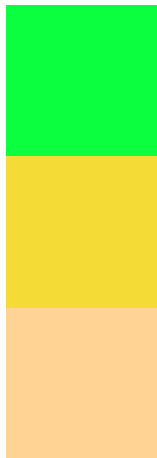


This preview shows how white text looks on a background with the RGB color 11, 212, 255.

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

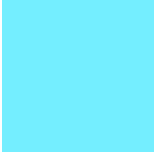
11, 212, 255

Protanopia

84, 245, 54

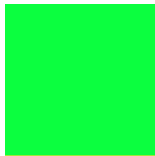
Deuteranopia

221, 255, 147



Tritanopia
116, 181, 255

Trichromacy



Original Color

11, 212, 255



Protanomaly

57, 232, 129



Deuteranomaly

117, 227, 178



Tritanomaly

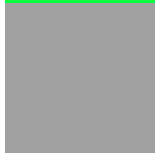
78, 179, 244

Monochromacy



Original Color

11, 212, 255



Achromatopsia

160, 160, 160



Achromatomaly

106, 179, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 11, 212, 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(11, 255, 63)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 63)  
}
```

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(11, 255, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 63) }
```

Border

The CSS property to change the border of an element to RYB 11, 212, 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(11, 255, 63) }
```

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

```
.border{ border-color:rgb(11, 255, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 63);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
63) }
```

Background

The CSS property to change the background color of an element to RYB 11, 212, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 63) }
```

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

```
.background{ background-color: rgb(11, 255,  
63) }
```

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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