

Converting Colors

`RYB(38, 249, 255)`

Have a look what the booklet for
RYB(38, 249, 255) contains.

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Color

`RYB(38, 249, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	26FF2C
RGB	38, 255, 44
RGB Percent	15%, 100%, 17%
CMY	0.8510, 0.0000, 0.8268
CMYK	0.85, 0.00, 0.83, 0.00
HSL	122°, 100%, 57%
HSV	122°, 85%, 100%
XYZ	37.0172, 72.1152, 14.3683
YIQ	166.0630, -61.6010, -111.6250

Conversions

Conversions Part 2

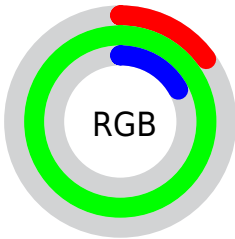
Format	Color
R _Y B	38, 249, 255
Decimal	2555692
CIE Lab	88.02, -83.24, 77.53
CIE LCh	88, 113.753, 137.035
Yxy	72.1152, 0.2997, 0.5839
Android (android.graphics.Color)	4280745772 (0xFF26FF2C)
YUV	166.0630, -60.1771, -112.3113
Hunter-Lab	84.9207, -70.8025, 49.4128

Details

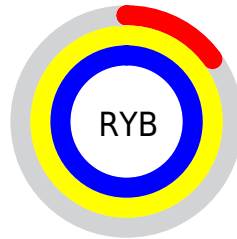
The RYB color **38, 249, 255** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **255, 38, 249**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **109, 255, 236**, and **0, 196, 196** is the 20% darker color. If you saturate the color by 10%, you get **13, 249, 255**, and if you desaturate by 10%, it is **64, 250, 255**.

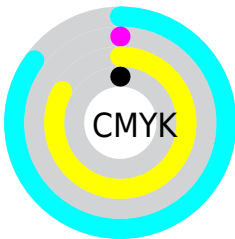
Distribution



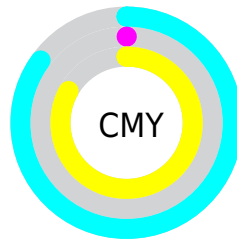
- Red (15%)
- Green (100%)
- Blue (17%)



- Red (15%)
- Yellow (98%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)




















- Cyan (85%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the RYB color 38, 249, 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 38, 249, 255 by changing the saturation by 10% instead.

 38, 249, 255	 38, 249, 255
 255, 255, 255	 0, 225, 225
 109, 255, 236	 0, 196, 196
 139, 255, 232	 0, 168, 168
 168, 255, 228	 0, 140, 140
 198, 255, 225	 0, 113, 113
 227, 255, 227	 0, 86, 86
	 0, 61, 61
	 0, 35, 35
	 0, 0, 0

 38, 249, 255

 38, 249, 255

 13, 249, 255

 64, 250, 255

 0, 248, 255

 89, 250, 255

 115, 252, 255

 140, 252, 255

 166, 253, 255

 191, 253, 255

 217, 254, 255

 242, 255, 255

255, 255, 255

Harmonies

Analogous

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



0, 235, 27



38, 249, 255



0, 154, 255

Triad

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



38, 249, 255



0, 125, 255



255, 87, 165

Complementary

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



38, 249, 255



255, 38, 249

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, 94, 255



38, 249, 255



41, 136, 255

Square

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



38, 249, 255



0, 128, 255



255, 158, 255



255, 217, 58

Rectangle

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



38, 249, 255



0, 130, 255



255, 158, 255



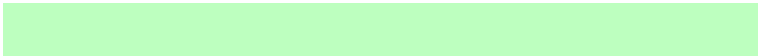
255, 78, 200

Sweetspot

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



38, 249, 255



189, 253, 255



38, 255, 42



88, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 249, 255



0, 248, 255



38, 181, 255



115, 128, 128



0, 186, 191



0, 62, 64

Inverse Universe

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



255, 38, 249



255, 0, 248



255, 38, 143



128, 115, 127



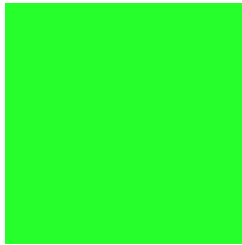
191, 0, 186



64, 0, 62

Previews

White Background



This preview shows how the RYB color 38, 249, 255 looks on a white background.

Color Contrast Check

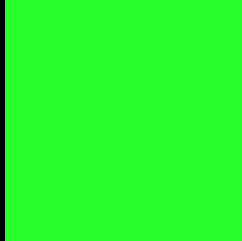
Large Text (above 18pt) WCAG AA × Fail

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 38, 249, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

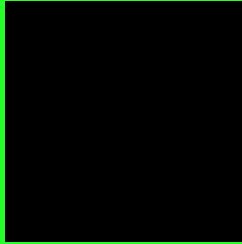
Any Text WCAG AA ✓ Pass

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 38, 249, 255 Background



This preview shows how black text looks on a background with the RGB color 38, 249, 255.

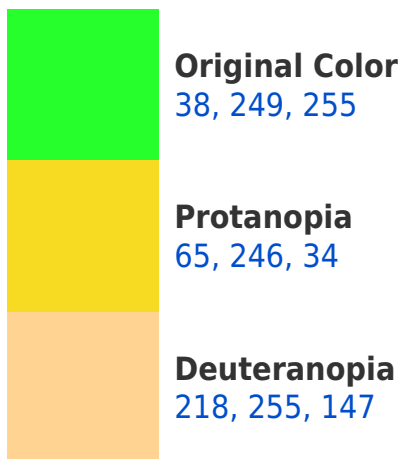


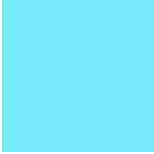
This preview shows how white text looks on a background with the RGB color 38, 249, 255.

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](#).

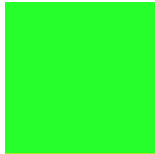
Dichromacy





Tritanopia
119, 182, 255

Trichromacy



Original Color

38, 249, 255



Protanomaly

38, 232, 100



Deuteranomaly

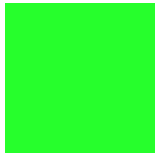
110, 228, 162



Tritanomaly

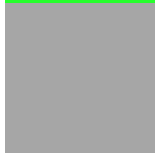
90, 188, 244

Monochromacy



Original Color

38, 249, 255



Achromatopsia

166, 166, 166



Achromatomaly

119, 195, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 249, 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(38, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 44)  
}
```

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(38, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 44) }
```

Border

The CSS property to change the border of an element to RYB 38, 249, 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(38, 255, 44) }
```

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

```
.border{ border-color:rgb(38, 255, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
44) }
```

Background

The CSS property to change the background color of an element to RGB 38, 249, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 44) }
```

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

```
.background{ background-color: rgb(38, 255,  
44) }
```

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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