

Converting Colors

`RYB(38, 202, 237)`

Have a look what the booklet for
RYB(38, 202, 237) contains.

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Color

RYB(38, 202, 237)

Conversions

Conversions Part 1

Format	Color
Hex	26ED50
RGB	38, 237, 80
RGB Percent	15%, 93%, 31%
CMY	0.8510, 0.0706, 0.6844
CMYK	0.84, 0.00, 0.66, 0.07
HSL	133°, 85%, 54%
HSV	133°, 84%, 93%
XYZ	32.5489, 61.5666, 17.8487
YIQ	159.6010, -68.2070, -91.0150

Conversions

Conversions Part 2

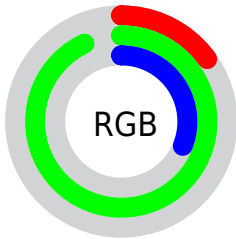
Format	Color
RYB	38, 202, 237
Decimal	2551120
CIELab	82.68, -75.54, 60.68
CIELCh	83, 96.898, 141.224
Yxy	61.5666, 0.2907, 0.5499
Android (android.graphics.Color)	4280741200 (0xFF26ED50)
YUV	159.6010, -39.2433, -106.6441
Hunter-Lab	78.4644, -63.2666, 41.4380

Details

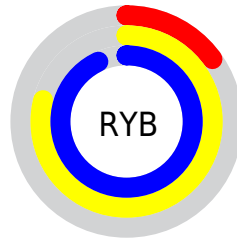
The RYB color **38, 202, 237** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **237, 38, 195**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **122, 243, 255**, and **0, 166, 179** is the 20% darker color. If you saturate the color by 10%, you get **14, 198, 237**, and if you desaturate by 10%, it is **62, 206, 237**.

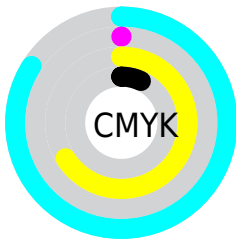
Distribution



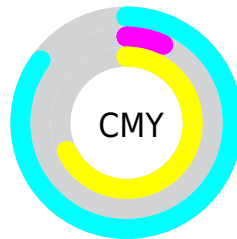
- Red (15%)
- Green (93%)
- Blue (31%)



- Red (15%)
- Yellow (79%)
- Blue (93%)



- Cyan (84%)
- Magenta (0%)
- Yellow (66%)
- Black (7%)











- Cyan (85%)
- Magenta (7%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the RYB color 38, 202, 237 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, 202, 237 by changing the saturation by 10% instead.

 38, 202, 237	 38, 202, 237
 255, 255, 255	 0, 166, 208
 122, 242, 255	 0, 165, 179
 155, 247, 255	 0, 151, 151
 187, 250, 255	 0, 124, 124
 219, 253, 255	 0, 97, 97
 250, 254, 255	 0, 72, 72
	 0, 47, 47
	 0, 17, 17
	 0, 0, 0

 38, 202, 237

 38, 202, 237

 14, 198, 237

 62, 206, 237

 0, 195, 237

 85, 210, 237

 109, 215, 237

 133, 219, 237

 156, 222, 237

 180, 227, 237

 204, 231, 237

 228, 235, 237

 251, 237, 248

Harmonies

Analogous

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



0, 221, 36



38, 202, 237



0, 143, 245

Triad

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



38, 202, 237



0, 120, 255



255, 111, 146

Complementary

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



38, 202, 237



237, 38, 195

Split Complementary

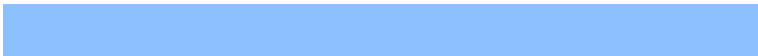
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 107, 237



38, 202, 237



139, 176, 255

Square

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



38, 202, 237



0, 124, 255



255, 149, 255



255, 234, 60

Rectangle

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



38, 202, 237



0, 126, 247



255, 149, 255



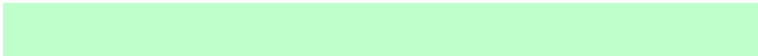
255, 103, 176

Sweetspot

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



38, 202, 237



191, 244, 255



38, 237, 78



89, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 202, 237



0, 210, 255



38, 155, 237



106, 115, 117



0, 149, 181



0, 45, 54

Inverse Universe

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



237, 38, 195



255, 0, 201



237, 38, 98



117, 106, 115



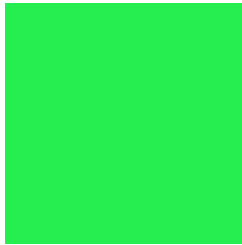
181, 0, 142



54, 0, 42

Previews

White Background



This preview shows how the RYB color 38, 202, 237 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, 202, 237 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

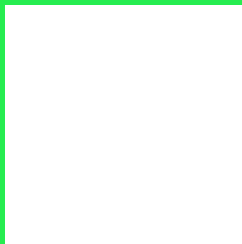
Any Text WCAG AAA ✓ Pass

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

RYB 38, 202, 237 Background



This preview shows how black text looks on a background with the RYB color 38, 202, 237.

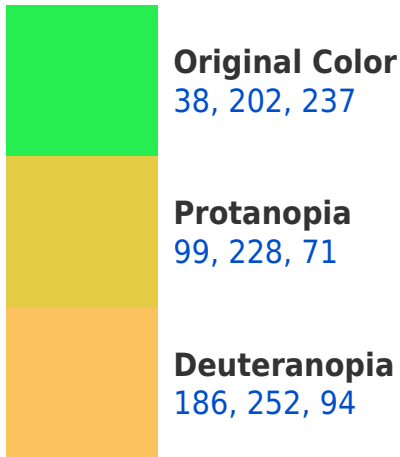


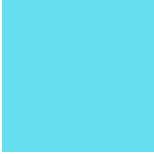
This preview shows how white text looks on a background with the RYB color 38, 202, 237.

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
101, 166, 240

Trichromacy



Original Color

38, 202, 237



Protanomaly

74, 216, 131



Deuteranomaly

89, 210, 125



Tritanomaly

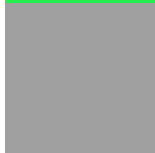
78, 166, 227

Monochromacy



Original Color

38, 202, 237



Achromatopsia

160, 160, 160



Achromatomaly

116, 176, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 202, 237 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, 237, 80)` looks like.

```
.text, #text, p{  
    color:rgb(38, 237, 80)  
}
```

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, 237, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 237, 80) }
```

Border

The CSS property to change the border of an element to RYB 38, 202, 237 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, 237, 80) }
```

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

```
.border{ border-color:rgb(38, 237, 80) }
```

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

Here you see how a box with a 4 pixel rgb(38, 237, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 237, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 237, 80);  
box-shadow:4px 4px 4px 4px rgb(38, 237,  
80) }
```

Background

The CSS property to change the background color of an element to RGB 38, 202, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 237, 80) }
```

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

```
.background{ background-color: rgb(38, 237,  
80) }
```

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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