

# Converting Colors

`RYB(38, 121, 251)`

Have a look what the booklet for  
RYB(38, 121, 251) contains.

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# Color

**`RYB(38, 121, 251)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	26AEFB
RGB	38, 174, 251
RGB Percent	15%, 68%, 98%
CMY	0.8510, 0.3177, 0.0157
CMYK	0.85, 0.31, 0.00, 0.02
HSL	202°, 96%, 57%
HSV	202°, 85%, 98%
XYZ	33.3465, 37.6462, 96.7757
YIQ	142.1140, -105.7730, -4.8850

# Conversions

## Conversions Part 2

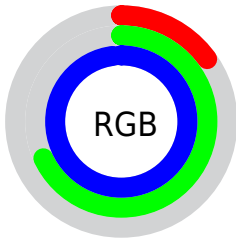
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	38, 121, 251
Decimal	2535163
CIE Lab	67.76, -8.38, -47.88
CIE LCh	68, 48.610, 260.069
Yxy	37.6462, 0.1988, 0.2244
Android (android.graphics.Color)	4280725243 (0xFF26AEFB)
YUV	142.1140, 53.6808, -91.3080
Hunter-Lab	61.3565, -10.3615, -50.5667

# Details

The RYB color **38, 121, 251** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **251, 159, 38**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **121, 181, 255**, and **0, 75, 194** is the 20% darker color. If you saturate the color by 10%, you get **13, 106, 251**, and if you desaturate by 10%, it is **63, 136, 251**.

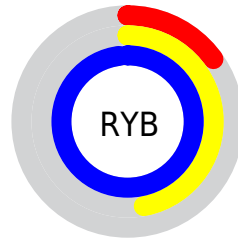
# Distribution



Red (15%)

Green (68%)

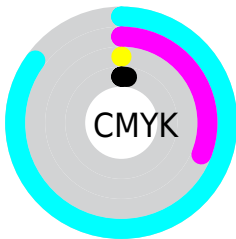
Blue (98%)



Red (15%)

Yellow (47%)

Blue (98%)

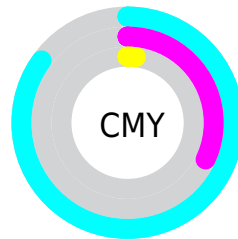


Cyan (85%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (85%)

Magenta (32%)


















Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 38, 121, 251 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, 121, 251 by changing the saturation by 10% instead.



 38, 121, 251	 38, 121, 251
 255, 255, 255	 0, 89, 222
 121, 181, 255	 0, 75, 194
 154, 205, 255	 0, 61, 167
 186, 221, 255	 0, 48, 140
 217, 236, 255	 0, 36, 114
 249, 252, 255	 0, 24, 89
	 0, 6, 65
	 0, 3, 42
	 0, 1, 20

■ 38, 121, 251

■ 38, 121, 251

■ 13, 106, 251

■ 63, 136, 251

■ 0, 98, 251

■ 88, 151, 251

■ 113, 167, 251

■ 138, 182, 251

■ 164, 198, 251

■ 189, 213, 251

■ 214, 229, 251

■ 239, 244, 251

■ 251, 255, 251

# Harmonies

## Analogous

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



0, 102, 231



38, 121, 251



145, 157, 247

# Triad

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



38, 121, 251



248, 130, 137



107, 181, 177

# Complementary

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



38, 121, 251



251, 159, 38

# 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.



79, 172, 89



38, 121, 251



234, 162, 99

# Square

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



38, 121, 251



239, 130, 182



149, 204, 77



20, 115, 187

# Rectangle

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



38, 121, 251



188, 148, 232



149, 204, 77



95, 179, 145

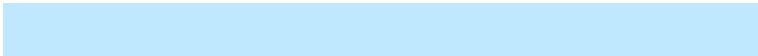


# Sweetspot

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



38, 121, 251



191, 216, 255



38, 196, 251



89, 104, 128



0, 0, 0



128, 128, 128

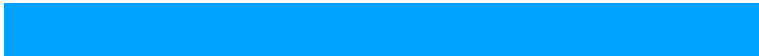


# Same Dimension

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



38, 121, 251



0, 99, 255



38, 66, 251



112, 117, 125



0, 73, 189



0, 24, 61



# Inverse Universe

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



251, 38, 174



255, 0, 163



76, 251, 38



125, 112, 120



189, 0, 120

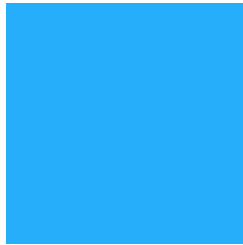


61, 0, 39



# Previews

## White Background



This preview shows how the RYB color 38, 121, 251 looks on a white background.

## Color Contrast Check

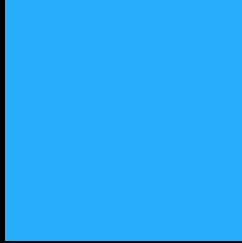
Large Text (above 18pt) WCAG AA × Fail

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, 121, 251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

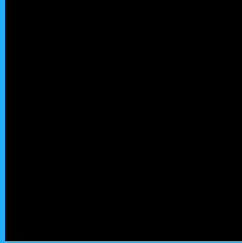
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

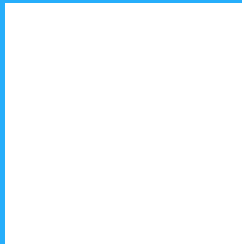
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 38, 121, 251 Background**



This preview shows how black text looks on a background with the RYB color 38, 121, 251.

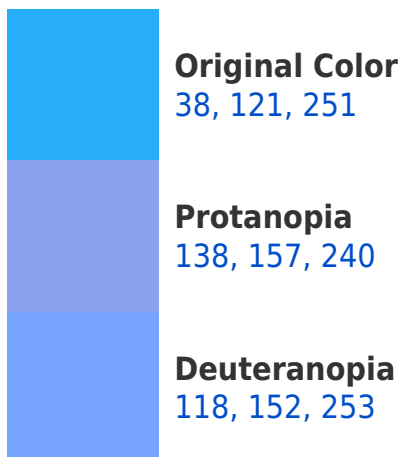


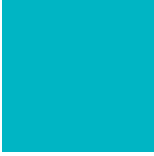
This preview shows how white text looks on a background with the RYB color 38, 121, 251.

# 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**  
0, 94, 196

# Trichromacy



**Original Color**  
38, 121, 251



**Protanomaly**  
102, 146, 244



**Deuteranomaly**  
89, 142, 252



**Tritanomaly**  
14, 105, 216

# Monochromacy



**Original Color**  
38, 121, 251



**Achromatopsia**  
142, 142, 142



**Achromatomaly**  
104, 134, 182

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 38, 121, 251 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, 174, 251)` looks like.

```
.text, #text, p{  
    color:rgb(38, 174, 251)  
}
```

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, 174, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 174, 251) }
```

## Border

The CSS property to change the border of an element to RYB 38, 121, 251 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, 174, 251) }
```

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

```
.border{ border-color:rgb(38, 174, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 174, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 174, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 174, 251);  
box-shadow:4px 4px 4px 4px rgb(38, 174,  
251) }
```

# Background

The CSS property to change the background color of an element to RGB 38, 121, 251 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 174, 251) }
```

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

```
.background{ background-color: rgb(38, 174,  
251) }
```

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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