

Converting Colors

`RYB(38, 160, 255)`

Have a look what the booklet for
RYB(38, 160, 255) contains.

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Color

R_YB(38, 160, 255)

Conversions

Conversions Part 1

Format	Color
Hex	26FFCF
RGB	38, 255, 207
RGB Percent	15%, 100%, 81%
CMY	0.8510, 0.0000, 0.1883
CMYK	0.85, 0.00, 0.19, 0.00
HSL	167°, 100%, 57%
HSV	167°, 85%, 100%
XYZ	47.8188, 76.4359, 71.2490
YIQ	184.6450, -113.9240, -60.9320

Conversions

Conversions Part 2

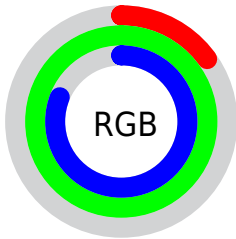
Format	Color
R _Y B	38, 160, 255
Decimal	2555855
CIE _{Lab}	90.06, -59.49, 9.23
CIE _{LCh}	90, 60.202, 171.181
Y _{xy}	76.4359, 0.2446, 0.3910
Android (android.graphics.Color)	4280745935 (0xFF26FFCF)
Y _{UV}	184.6450, 11.0210, -128.6077
Hunter-Lab	87.4276, -55.3672, 12.8810

Details

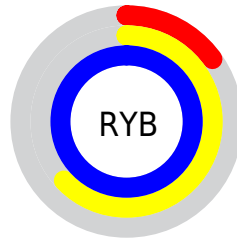
The RYB color **38, 160, 255** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **255, 38, 86**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **126, 191, 255**, and **0, 111, 197** is the 20% darker color. If you saturate the color by 10%, you get **13, 149, 255**, and if you desaturate by 10%, it is **64, 171, 255**.

Distribution



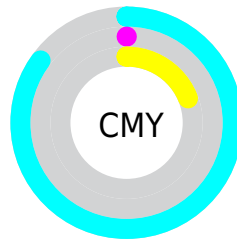
- Red (15%)
- Green (100%)
- Blue (81%)



- Red (15%)
- Yellow (63%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




















- Cyan (85%)
- Magenta (0%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the RYB color 38, 160, 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, 160, 255 by changing the saturation by 10% instead.

 38, 160, 255	 38, 160, 255
 255, 255, 255	 0, 126, 226
 126, 191, 255	 0, 111, 197
 159, 207, 255	 0, 96, 169
 192, 224, 255	 0, 83, 142
 224, 240, 255	 0, 69, 115
	 0, 55, 89
	 0, 42, 64
	 0, 31, 40
	 0, 0, 0


 38, 160, 255

 38, 160, 255

 13, 149, 255

 64, 171, 255

 0, 143, 255

 89, 182, 255

 115, 194, 255

 140, 205, 255

 166, 216, 255

 191, 227, 255

 217, 239, 255

 242, 249, 255

255, 255, 255

Harmonies

Analogous

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



152, 248, 247



38, 160, 255



0, 128, 255

Triad

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



38, 160, 255



204, 215, 255



255, 251, 139

Complementary

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



38, 160, 255



255, 38, 86

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, 181, 188



38, 160, 255



255, 196, 255

Square

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



38, 160, 255



77, 162, 255



255, 180, 246



161, 255, 110

Rectangle

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



38, 160, 255



0, 127, 255



255, 180, 246



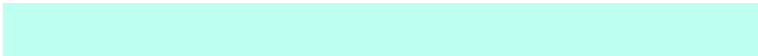
255, 211, 153

Sweetspot

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



38, 160, 255



189, 226, 255



38, 255, 204



88, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 160, 255



0, 143, 255



38, 130, 255



115, 122, 128



0, 107, 191



0, 36, 64

Inverse Universe

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



255, 38, 86



255, 0, 56



255, 117, 38



128, 115, 118



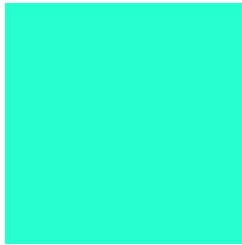
191, 0, 42



64, 0, 14

Previews

White Background



This preview shows how the RYB color 38, 160, 255 looks on a white background.

Color Contrast Check

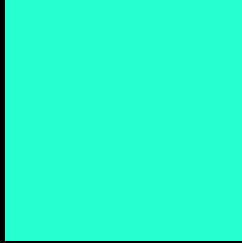
Large Text (above 18pt) WCAG AA × Fail

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, 160, 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](#).

RYB 38, 160, 255 Background



This preview shows how black text looks on a background with the RYB color 38, 160, 255.

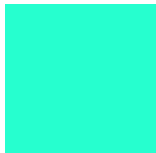


This preview shows how white text looks on a background with the RYB color 38, 160, 255.

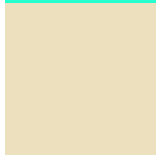
Color Blindness Simulation

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
38, 160, 255



Protanopia
207, 236, 191

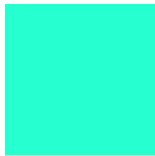


Deuteranopia
249, 217, 215



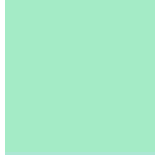
Tritanopia
144, 195, 255

Trichromacy



Original Color

38, 160, 255



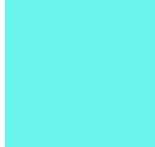
Protanomaly

164, 212, 235



Deuteranomaly

172, 207, 231



Tritanomaly

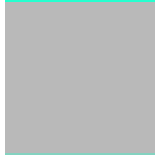
105, 177, 245

Monochromacy



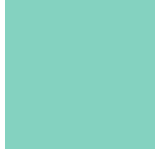
Original Color

38, 160, 255



Achromatopsia

185, 185, 185



Achromatomaly

132, 176, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 160, 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 207) }
```

Border

The CSS property to change the border of an element to RYB 38, 160, 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, 207) }
```

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

```
.border{ border-color:rgb(38, 255, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 38, 160, 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, 207) }
```

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

```
.background{ background-color: rgb(38, 255,  
207) }
```

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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