

Converting Colors

`RYB(39, 162, 255)`

Have a look what the booklet for
RYB(39, 162, 255) contains.

RYB(39, 162, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(39, 162, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	27FFCA
RGB	39, 255, 202
RGB Percent	15%, 100%, 79%
CMY	0.8471, 0.0000, 0.2066
CMYK	0.85, 0.00, 0.21, 0.00
HSL	165°, 100%, 58%
HSV	165°, 85%, 100%
XYZ	47.2950, 76.2306, 68.2954
YIQ	184.3740, -111.7230, -62.2750

Conversions

Conversions Part 2

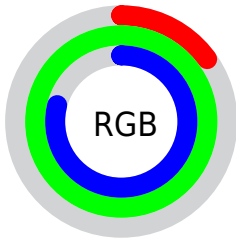
Format	Color
RYB	39, 162, 255
Decimal	2621386
CIELab	89.97, -60.54, 11.50
CIELCh	90, 61.621, 169.245
Yxy	76.2306, 0.2466, 0.3974
Android (android.graphics.Color)	4280811466 (0xFF27FFCA)
YUV	184.3740, 8.6896, -127.4930
Hunter-Lab	87.3102, -56.1013, 14.7395

Details

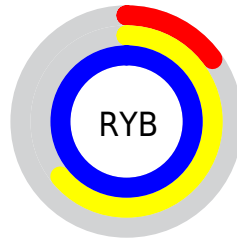
The RYB color **39, 162, 255** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **255, 39, 92**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **126, 191, 255**, and **0, 112, 197** is the 20% darker color. If you saturate the color by 10%, you get **14, 151, 255**, and if you desaturate by 10%, it is **65, 173, 255**.

Distribution



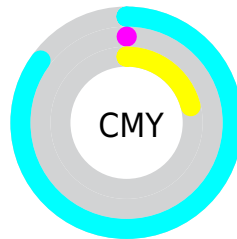
- Red (15%)
- Green (100%)
- Blue (79%)



- Red (15%)
- Yellow (64%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




















- Cyan (85%)
- Magenta (0%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the RYB color 39, 162, 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 39, 162, 255 by changing the saturation by 10% instead.

 39, 162, 255	 39, 162, 255
 255, 255, 255	 0, 127, 226
 126, 191, 255	 0, 112, 197
 159, 207, 255	 0, 98, 169
 192, 224, 255	 0, 84, 142
 224, 240, 255	 0, 70, 115
	 0, 57, 89
	 0, 44, 64
	 0, 35, 40
	 0, 0, 0


 39, 162, 255


 39, 162, 255

 14, 151, 255

 65, 173, 255

 0, 145, 255

 90, 184, 255

 116, 195, 255

 141, 206, 255

 167, 217, 255

 192, 228, 255

 218, 239, 255

 243, 250, 255

255, 255, 255

Harmonies

Analogous

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



147, 248, 239



39, 162, 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.



39, 162, 255



196, 213, 255



255, 244, 139

Complementary

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



39, 162, 255



255, 39, 92

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, 179, 191



39, 162, 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.



39, 162, 255



45, 146, 255



255, 179, 250



161, 255, 108

Rectangle

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



39, 162, 255



0, 127, 255



255, 179, 250



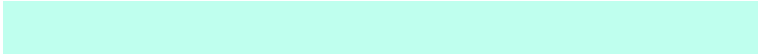
255, 204, 155

Sweetspot

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



39, 162, 255



191, 228, 255



39, 255, 201



89, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

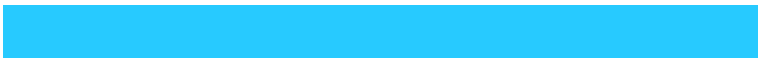
The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 162, 255



0, 145, 255



39, 132, 255



115, 123, 128



0, 109, 191



0, 37, 64

Inverse Universe

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



255, 39, 92



255, 0, 62



255, 111, 39



128, 115, 118



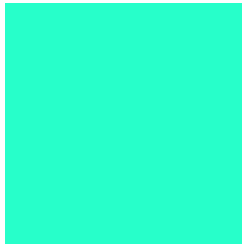
191, 0, 47



64, 0, 16

Previews

White Background



This preview shows how the RYB color 39, 162, 255 looks on a white background.

Color Contrast Check

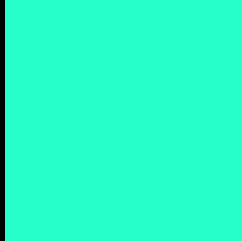
Large Text (above 18pt) WCAG AA × Fail

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 39, 162, 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 39, 162, 255 Background



This preview shows how black text looks on a background with the RYB color 39, 162, 255.

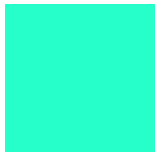


This preview shows how white text looks on a background with the RYB color 39, 162, 255.

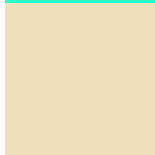
Color Blindness Simulation

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](#).

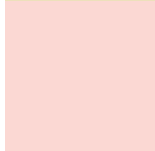
Dichromacy



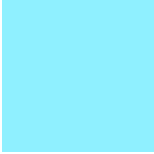
Original Color
39, 162, 255



Protanopia
205, 237, 187



Deuteranopia
251, 217, 211



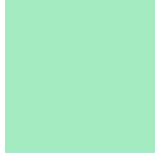
Tritanopia
143, 195, 255

Trichromacy



Original Color

39, 162, 255



Protanomaly

165, 215, 235



Deuteranomaly

174, 209, 230



Tritanomaly

105, 177, 245

Monochromacy



Original Color

39, 162, 255



Achromatopsia

184, 184, 184



Achromatomaly

131, 176, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 39, 162, 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(39, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(39, 255, 202)  
}
```

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(39, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 255, 202) }
```

Border

The CSS property to change the border of an element to RYB 39, 162, 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(39, 255, 202) }
```

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

```
.border{ border-color:rgb(39, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(39, 255,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 39, 162, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 255, 202) }
```

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

```
.background{ background-color: rgb(39, 255,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor