

Converting Colors

RGB(33, 171, 235)

Have a look what the booklet for
RGB(33, 171, 235) contains.

RGB(33, 171, 235)	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

RGB(33, 171, 235)

Conversions

Conversions Part 1

Format	Color
Hex	21ABEB
RGB	33, 171, 235
RGB Percent	13%, 67%, 92%
CMY	0.8706, 0.3294, 0.0784
CMYK	0.86, 0.27, 0.00, 0.08
HSL	199°, 83%, 53%
HSV	199°, 86%, 92%
XYZ	30.1855, 35.4473, 83.8483
YIQ	137.0340, -102.7920, -9.3520

Conversions

Conversions Part 2

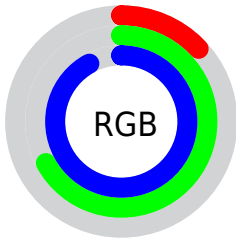
Format	Color
RYB	33, 115, 235
Decimal	2206699
CIELab	66.10, -12.73, -41.78
CIELCh	66, 43.671, 253.056
Yxy	35.4473, 0.2019, 0.2371
Android (android.graphics.Color)	4280396779 (0xFF21ABEB)
YUV	137.0340, 48.2972, -91.2378
Hunter-Lab	59.5376, -13.6916, -41.8232

Details

The RGB color **33, 171, 235** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **235, 97, 33**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **116, 226, 255**, and **0, 119, 179** is the 20% darker color. If you saturate the color by 10%, you get **10, 164, 235**, and if you desaturate by 10%, it is **56, 178, 235**.

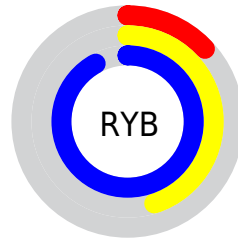
Distribution



Red (13%)

Green (67%)

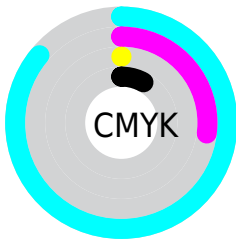
Blue (92%)



Red (13%)

Yellow (45%)

Blue (92%)

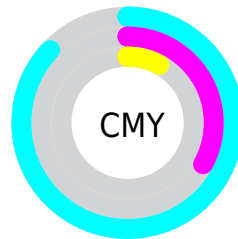


Cyan (86%)

Magenta (27%)

Yellow (0%)

Black (8%)



Cyan (87%)


















Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 171, 235 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 RGB color 33, 171, 235 by changing the saturation by 10% instead.

 33, 171, 235	 33, 171, 235
 255, 255, 255	 0, 145, 207
 116, 226, 255	 0, 119, 179
 148, 255, 255	 0, 94, 152
 180, 255, 255	 0, 71, 126
 211, 255, 255	 0, 49, 100
 242, 255, 255	 0, 29, 76
	 0, 5, 53
	 0, 2, 31
	 0, 0, 1

■ 33, 171, 235

■ 33, 171, 235

■ 10, 164, 235

■ 56, 178, 235

■ 0, 161, 235

■ 80, 186, 235

■ 104, 193, 235

■ 127, 201, 235

■ 150, 208, 235

■ 174, 216, 235

■ 198, 223, 235

■ 221, 231, 235

■ 244, 238, 235

Harmonies

Analogous

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



0, 178, 213



33, 171, 235



128, 159, 237

Triad

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



33, 171, 235



236, 129, 145



125, 174, 102

Complementary

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



33, 171, 235



235, 97, 33

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.



168, 164, 82



33, 171, 235



228, 137, 109

Square

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



33, 171, 235



222, 132, 184



204, 151, 85



69, 179, 136

Rectangle

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



33, 171, 235



169, 149, 226



204, 151, 85



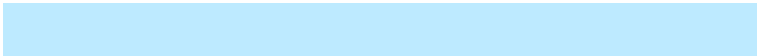
140, 171, 93

Sweetspot

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



33, 171, 235



189, 234, 255



33, 235, 97



88, 115, 128



0, 0, 0



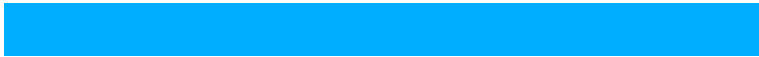
128, 128, 128

Same Dimension

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



33, 171, 235



0, 174, 255



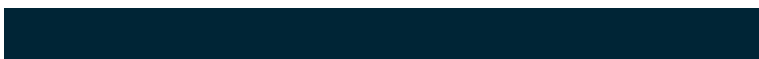
33, 70, 235



106, 114, 117



0, 124, 181



0, 37, 54

Inverse Universe

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



235, 33, 171



255, 0, 174



235, 198, 33



117, 106, 114



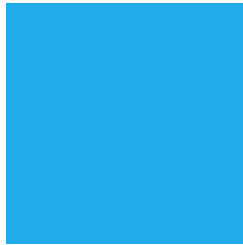
181, 0, 124



54, 0, 37

Previews

White Background



This preview shows how the RGB color 33, 171, 235 looks on a white background.

Color Contrast Check

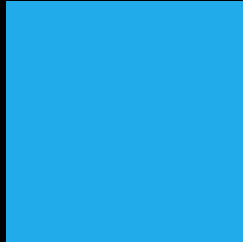
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 33, 171, 235 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 33, 171, 235 Background



This preview shows how black text looks on a background with the RGB color 33, 171, 235.

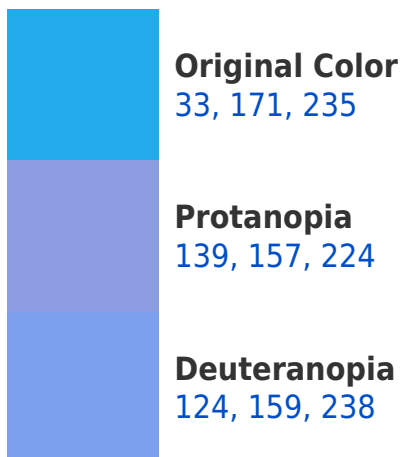


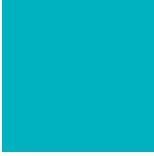
This preview shows how white text looks on a background with the RGB color 33, 171, 235.

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, 177, 191

Trichromacy



Original Color
33, 171, 235

Protanomaly
100, 162, 228

Deuteranomaly
91, 163, 237

Tritanomaly
12, 175, 207

Monochromacy



Original Color
33, 171, 235

Achromatopsia
137, 137, 137

Achromatomaly
99, 149, 173

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 171, 235 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(33, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 235)  
}
```

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(33, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 235) }
```

Border

The CSS property to change the border of an element to RGB 33, 171, 235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

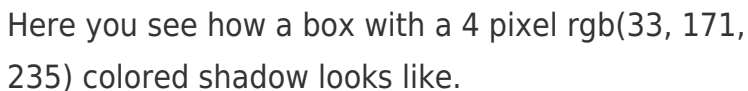
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(33, 171, 235) }
```

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

```
.border{ border-color:rgb(33, 171, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(33, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 235);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 33, 171, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 235) }
```

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

```
.background{ background-color: rgb(33, 171,  
235) }
```

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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