

Converting Colors

RGB(33, 218, 254)

Have a look what the booklet for
RGB(33, 218, 254) contains.

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Color

RGB(33, 218, 254)

Conversions

Conversions Part 1

Format	Color
Hex	21DAFE
RGB	33, 218, 254
RGB Percent	13%, 85%, 100%
CMY	0.8706, 0.1451, 0.0039
CMYK	0.87, 0.14, 0.00, 0.00
HSL	190°, 99%, 56%
HSV	190°, 87%, 100%
XYZ	43.5880, 57.6219, 102.5907
YIQ	166.7890, -121.8160, -28.0240

Conversions

Conversions Part 2

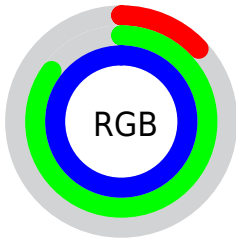
Format	Color
RYB	33, 134, 254
Decimal	2218750
CIELab	80.53, -30.49, -29.64
CIELCh	81, 42.525, 224.192
Yxy	57.6219, 0.2139, 0.2827
Android (android.graphics.Color)	4280408830 (0xFF21DAFE)
YUV	166.7890, 42.9950, -117.3330
Hunter-Lab	75.9091, -30.3439, -26.9938

Details

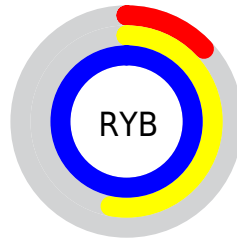
The RGB color **33, 218, 254** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **254, 69, 33**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **123, 255, 255**, and **0, 163, 197** is the 20% darker color. If you saturate the color by 10%, you get **8, 214, 254**, and if you desaturate by 10%, it is **58, 222, 254**.

Distribution



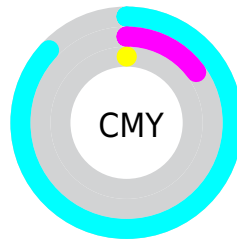
- Red (13%)
- Green (85%)
- Blue (100%)



- Red (13%)
- Yellow (53%)
- Blue (100%)



- Cyan (87%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




















- Cyan (87%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 218, 254 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, 218, 254 by changing the saturation by 10% instead.

 33, 218, 254	 33, 218, 254
 255, 255, 255	 0, 190, 225
 123, 255, 255	 0, 163, 197
 157, 255, 255	 0, 136, 170
 189, 255, 255	 0, 110, 143
 222, 255, 255	 0, 86, 118
 254, 255, 255	 0, 62, 93
	 0, 40, 69
	 0, 7, 47
	 0, 1, 25

■ 33, 218, 254

■ 33, 218, 254

■ 8, 214, 254

■ 58, 222, 254

■ 0, 213, 254

■ 84, 226, 254

■ 109, 230, 254

■ 135, 235, 254

■ 160, 239, 254

■ 185, 243, 254

■ 211, 247, 254

■ 236, 251, 254

255, 255, 254

Harmonies

Analogous

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



54, 221, 218



33, 218, 254



105, 210, 255

Triad

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



33, 218, 254



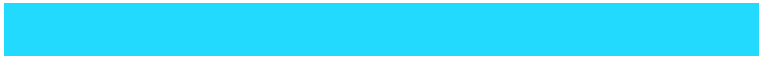
255, 171, 223



207, 203, 122

Complementary

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



33, 218, 254



254, 69, 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.



244, 190, 124



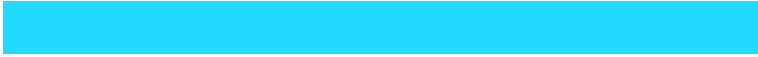
33, 218, 254



255, 169, 182

Square

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



33, 218, 254



228, 183, 255



255, 177, 146



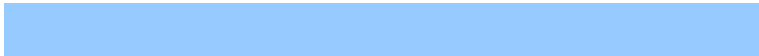
163, 214, 141

Rectangle

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



33, 218, 254



151, 202, 255



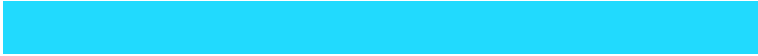
255, 177, 146



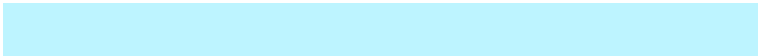
221, 199, 120

Sweetspot

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



33, 218, 254



189, 244, 255



33, 254, 66



88, 121, 128



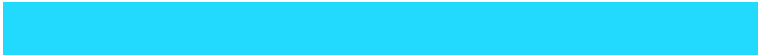
0, 0, 0



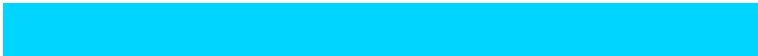
128, 128, 128

Same Dimension

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



33, 218, 254



0, 213, 255



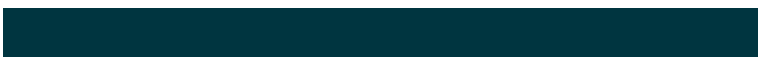
33, 110, 254



115, 125, 128



0, 160, 191



0, 53, 64

Inverse Universe

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



254, 33, 218



255, 0, 213



254, 177, 33



128, 115, 125



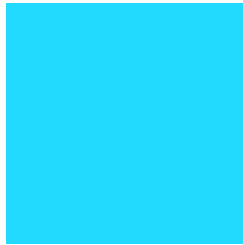
191, 0, 160



64, 0, 53

Previews

White Background



This preview shows how the RGB color 33, 218, 254 looks on a white background.

Color Contrast Check

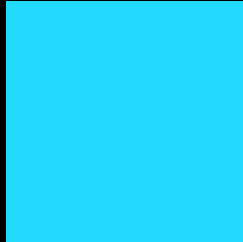
Large Text (above 18pt) WCAG AA × Fail

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, 218, 254 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, 218, 254 Background



This preview shows how black text looks on a background with the RGB color 33, 218, 254.

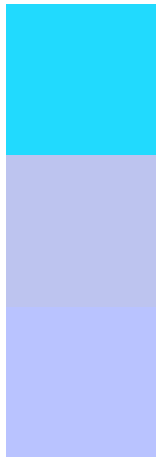


This preview shows how white text looks on a background with the RGB color 33, 218, 254.

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](#).

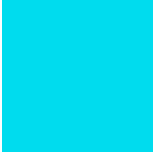
Dichromacy



Original Color
33, 218, 254

Protanopia
189, 196, 239

Deuteranopia
185, 195, 255



Tritanopia
0, 220, 238

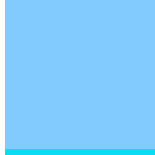
Trichromacy



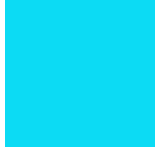
Original Color
33, 218, 254



Protanomaly
132, 204, 244



Deuteranomaly
130, 203, 255

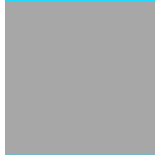


Tritanomaly
12, 219, 244

Monochromacy



Original Color
33, 218, 254



Achromatopsia
167, 167, 167



Achromatomaly
118, 186, 199

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 218, 254 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, 218, 254)` looks like.

```
.text, #text, p{  
    color:rgb(33, 218, 254)  
}
```

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, 218, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 218, 254) }
```

Border

The CSS property to change the border of an element to RGB 33, 218, 254 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, 218, 254) }
```

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

```
.border{ border-color:rgb(33, 218, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 218, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 218, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 218, 254);  
box-shadow:4px 4px 4px 4px rgb(33, 218,  
254) }
```

Background

The CSS property to change the background color of an element to RGB 33, 218, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 218, 254) }
```

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

```
.background{ background-color: rgb(33, 218,  
254) }
```

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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