

Converting Colors

RGB(66, 233, 230)

Have a look what the booklet for
RGB(66, 233, 230) contains.

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Color

RGB(66, 233, 230)

Conversions

Conversions Part 1

Format	Color
Hex	42E9E6
RGB	66, 233, 230
RGB Percent	26%, 91%, 90%
CMY	0.7412, 0.0863, 0.0980
CMYK	0.72, 0.00, 0.01, 0.09
HSL	179°, 79%, 59%
HSV	179°, 72%, 91%
XYZ	45.6686, 65.1492, 85.0310
YIQ	182.7250, -98.5690, -36.3370

Conversions

Conversions Part 2

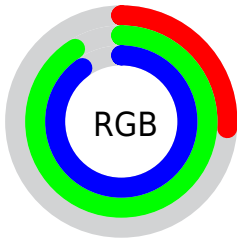
Format	Color
RYB	66, 150, 233
Decimal	4385254
CIELab	84.56, -41.83, -10.80
CIElCh	85, 43.203, 194.472
Yxy	65.1492, 0.2332, 0.3327
Android (android.graphics.Color)	4282575334 (0xFF42E9E6)
YUV	182.7250, 23.3066, -102.3678
Hunter-Lab	80.7151, -40.2561, -5.9597

Details

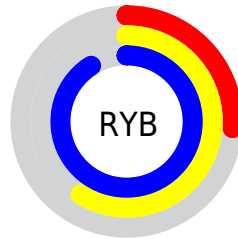
The RGB color **66, 233, 230** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **233, 66, 69**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **138, 255, 255**, and **0, 177, 175** is the 20% darker color. If you saturate the color by 10%, you get **43, 233, 230**, and if you desaturate by 10%, it is **89, 233, 230**.

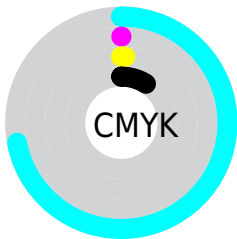
Distribution



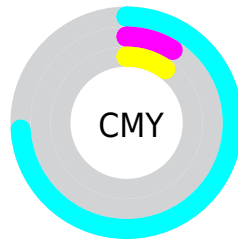
- Red (26%)
- Green (91%)
- Blue (90%)



- Red (26%)
- Yellow (59%)
- Blue (91%)



- Cyan (72%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



















- Cyan (74%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 66, 233, 230 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 66, 233, 230 by changing the saturation by 10% instead.

 66, 233, 230	 66, 233, 230
 255, 255, 255	 0, 204, 202
 138, 255, 255	 0, 177, 175
 170, 255, 255	 0, 149, 148
 201, 255, 255	 0, 123, 122
 233, 255, 255	 0, 97, 97
	 0, 73, 74
	 0, 49, 51
	 0, 26, 30
	 0, 0, 3

■ 66, 233, 230

■ 66, 233, 230

■ 43, 233, 230

■ 89, 233, 230

■ 19, 233, 229

■ 113, 233, 231

■ 0, 233, 229

■ 136, 233, 231

■ 159, 233, 232

■ 183, 233, 232

■ 206, 233, 233

■ 229, 233, 233

■ 252, 233, 233

■ 255, 233, 234

Harmonies

Analogous

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



122, 231, 188



66, 233, 230



51, 230, 255

Triad

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



66, 233, 230



241, 193, 255



255, 201, 133

Complementary

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



66, 233, 230



233, 66, 69

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, 188, 156



66, 233, 230



255, 182, 234

Square

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



66, 233, 230



185, 208, 255



255, 180, 193



218, 215, 131

Rectangle

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



66, 233, 230



92, 225, 255



255, 180, 193



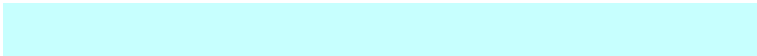
255, 196, 138

Sweetspot

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



66, 233, 230



199, 255, 254



72, 233, 66



94, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



66, 233, 230



36, 255, 251



66, 155, 233



106, 117, 117



0, 181, 178



0, 54, 53

Inverse Universe

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



233, 66, 69



255, 36, 40



233, 144, 66



117, 106, 106



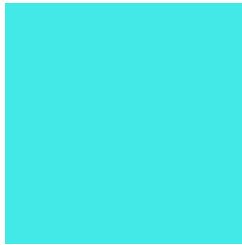
181, 0, 3



54, 0, 1

Previews

White Background



This preview shows how the RGB color 66, 233, 230 looks on a white background.

Color Contrast Check

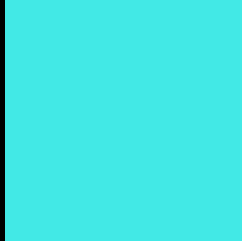
Large Text (above 18pt) WCAG AA × Fail

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 66, 233, 230 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

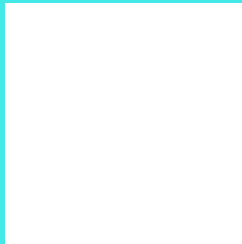
Any Text WCAG AAA ✓ Pass

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

RGB 66, 233, 230 Background



This preview shows how black text looks on a background with the RGB color 66, 233, 230.

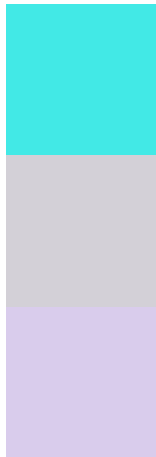


This preview shows how white text looks on a background with the RGB color 66, 233, 230.

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](#).

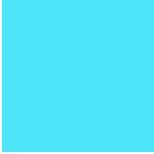
Dichromacy



Original Color
66, 233, 230

Protanopia
211, 208, 215

Deuteranopia
217, 204, 236



Tritanopia
78, 230, 249

Trichromacy



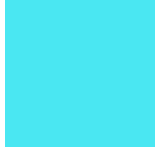
Original Color
66, 233, 230



Protanomaly
158, 217, 220



Deuteranomaly
162, 215, 234

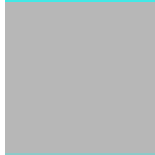


Tritanomaly
74, 231, 242

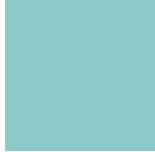
Monochromacy



Original Color
66, 233, 230



Achromatopsia
183, 183, 183



Achromatomaly
140, 201, 200

CSS Examples

Text

The CSS property to change the color of the text to RGB 66, 233, 230 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(66, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(66, 233, 230)  
}
```

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(66, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 233, 230) }
```

Border

The CSS property to change the border of an element to RGB 66, 233, 230 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(66, 233, 230) }
```

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

```
.border{ border-color:rgb(66, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(66, 233,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 66, 233, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 233, 230) }
```

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

```
.background{ background-color: rgb(66, 233,  
230) }
```

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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