

Converting Colors

RGB(66, 227, 204)

Have a look what the booklet for
RGB(66, 227, 204) contains.

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Color

RGB(66, 227, 204)

Conversions

Conversions Part 1

Format	Color
Hex	42E3CC
RGB	66, 227, 204
RGB Percent	26%, 89%, 80%
CMY	0.7412, 0.1098, 0.2000
CMYK	0.71, 0.00, 0.10, 0.11
HSL	171°, 74%, 57%
HSV	171°, 71%, 89%
XYZ	40.6149, 60.4561, 66.6553
YIQ	176.2390, -88.5730, -41.2850

Conversions

Conversions Part 2

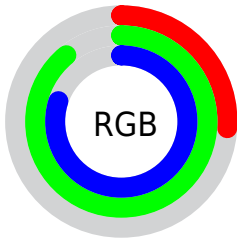
Format	Color
R _{YB}	66, 153, 227
Decimal	4383692
CIE Lab	82.09, -46.18, -0.71
CIE LCh	82, 46.183, 180.877
Yxy	60.4561, 0.2422, 0.3604
Android (android.graphics.Color)	4282573772 (0xFF42E3CC)
YUV	176.2390, 13.6862, -96.6796
Hunter-Lab	77.7535, -42.8282, 3.6002

Details

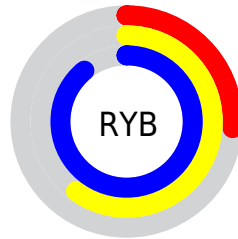
The RGB color **66, 227, 204** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **227, 66, 89**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **135, 255, 255**, and **0, 171, 150** is the 20% darker color. If you saturate the color by 10%, you get **43, 227, 201**, and if you desaturate by 10%, it is **89, 227, 207**.

Distribution



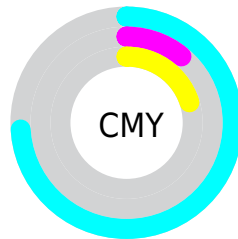
- Red (26%)
- Green (89%)
- Blue (80%)



- Red (26%)
- Yellow (60%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



















- Cyan (74%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RGB color 66, 227, 204 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, 227, 204 by changing the saturation by 10% instead.

 66, 227, 204	 66, 227, 204
 255, 255, 255	 0, 199, 177
 135, 255, 255	 0, 171, 150
 166, 255, 255	 0, 144, 124
 197, 255, 255	 0, 117, 99
 228, 255, 255	 0, 92, 76
	 0, 67, 53
	 0, 45, 32
	 0, 14, 9
	 0, 0, 0

■ 66, 227, 204

■ 66, 227, 204

■ 43, 227, 201

■ 89, 227, 207

■ 21, 227, 198

■ 111, 227, 210

■ 0, 227, 195

■ 134, 227, 214

■ 157, 227, 217

■ 179, 227, 220

■ 202, 227, 223

■ 225, 227, 227

■ 248, 227, 230

■ 255, 227, 233

Harmonies

Analogous

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



133, 223, 160



66, 227, 204



0, 226, 247

Triad

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



66, 227, 204



210, 192, 255



255, 187, 129

Complementary

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



66, 227, 204



227, 66, 89

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, 174, 162



66, 227, 204



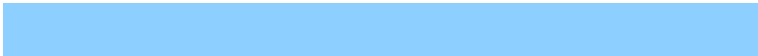
255, 177, 247

Square

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



66, 227, 204



141, 208, 255



255, 170, 205



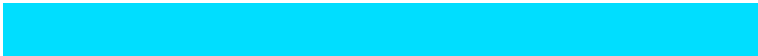
231, 202, 116

Rectangle

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



66, 227, 204



0, 222, 255



255, 170, 205



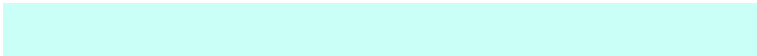
255, 182, 139

Sweetspot

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



66, 227, 204



201, 255, 247



90, 227, 66



96, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



66, 227, 204



38, 255, 224



66, 171, 227



103, 115, 113



0, 179, 153



0, 51, 44

Inverse Universe

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



227, 66, 89



255, 38, 69



227, 122, 66



115, 103, 105



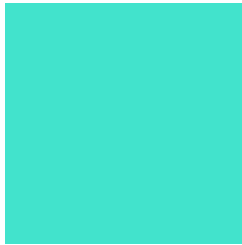
179, 0, 25



51, 0, 7

Previews

White Background



This preview shows how the RGB color 66, 227, 204 looks on a white background.

Color Contrast Check

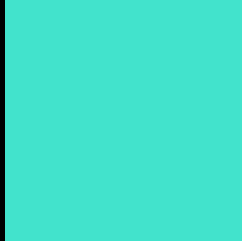
Large Text (above 18pt) WCAG AA × Fail

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, 227, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

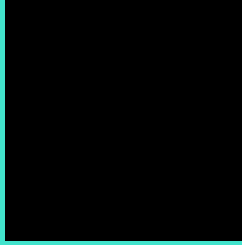
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

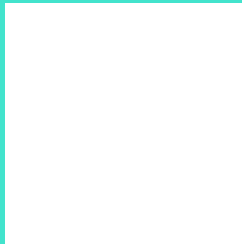
Any Text WCAG AAA ✓ Pass

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

RGB 66, 227, 204 Background



This preview shows how black text looks on a background with the RGB color 66, 227, 204.

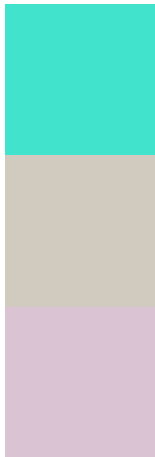


This preview shows how white text looks on a background with the RGB color 66, 227, 204.

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](#).

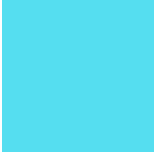
Dichromacy



Original Color
66, 227, 204

Protanopia
209, 202, 190

Deuteranopia
218, 196, 211



Tritanopia
85, 222, 240

Trichromacy



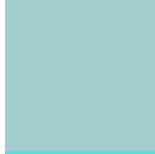
Original Color

66, 227, 204



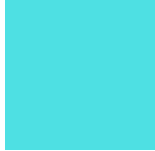
Protanomaly

157, 211, 195



Deuteranomaly

163, 207, 208



Tritanomaly

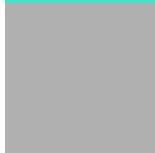
78, 224, 227

Monochromacy



Original Color

66, 227, 204



Achromatopsia

176, 176, 176



Achromatomaly

136, 195, 186

CSS Examples

Text

The CSS property to change the color of the text to RGB 66, 227, 204 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, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(66, 227, 204)  
}
```

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, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 227, 204) }
```

Border

The CSS property to change the border of an element to RGB 66, 227, 204 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, 227, 204) }
```

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

```
.border{ border-color:rgb(66, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(66, 227,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 66, 227, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 227, 204) }
```

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

```
.background{ background-color: rgb(66, 227,  
204) }
```

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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