

Converting Colors

CIELCh(86, 56.466, 175.933)

Have a look what the booklet for
CIELCh(86, 56.466, 175.933)
contains.

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Color

CIELCh(86, 56.212, 176.079)

Conversions

Conversions Part 1

Format	Color
Hex	00F2CE
RGB	0, 242, 206
RGB Percent	0%, 95%, 81%
CMY	0.9989, 0.0508, 0.1920
CMYK	1.00, 0.00, 0.15, 0.05
HSL	171°, 100%, 48%
HSV	171°, 100%, 95%
XYZ	42.9120, 67.9871, 69.2777
YIQ	165.5380, -132.6760, -62.5000

Conversions

Conversions Part 2

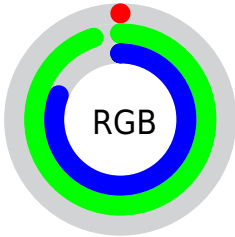
Format	Color
RYB	0, 131, 242
Decimal	62158
CIELab	86.00, -56.08, 3.84
CIELCh	86, 56.212, 176.079
Yxy	67.9871, 0.2382, 0.3773
Android (android.graphics.Color)	4278252238 (0xFF00F2CE)
YUV	165.5380, 19.9478, -145.1768
Hunter-Lab	82.4543, -51.3977, 7.9028

Details

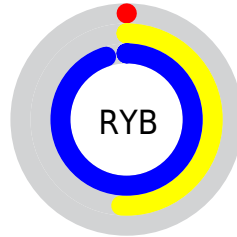
The CIELCh color **86, 56.212, 176.079** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **51, 93.211, 33.864**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **67, 47.532, 173.091** is the 20% darker color. If you saturate the color by 10%, you get **86, 56.231, 176.059**, and if you desaturate by 10%, it is **86, 54.483, 177.640**.

Distribution



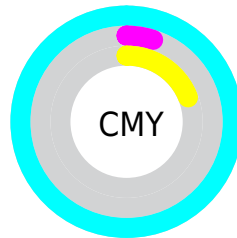
- Red (0%)
- Green (95%)
- Blue (81%)



- Red (0%)
- Yellow (51%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 56.212, 176.079 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 CIELCh color 86, 56.212, 176.079 by changing the saturation by 10% instead.


 86, 56.212,
176.079


 86, 56.212,
176.079


 100, 56.212,
176.079


 76, 56.212,
176.079

 66, 56.212,
176.079

 56, 56.212,
176.079

 46, 56.212,
176.079

 36, 56.212,
176.079

 26, 56.212,
176.079

 16, 56.212,

176.079

■ 6, 56.212, 176.079

■ 0, 56.212, 176.079

■ 86, 56.212,
176.079

■ 86, 56.212,
176.079

■ 86, 56.231,
176.059

■ 86, 54.483,
177.640

■ 87, 51.949,
179.077

■ 87, 48.418,
180.377

■ 88, 43.856,
181.561

■ 88, 38.302,

182.650

■ 89, 31.854,
183.665

■ 91, 24.642,
184.625

■ 92, 16.814,
185.546

■ 94, 8.518, 186.455

Harmonies

Complementary

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



86, 56.212, 176.079



51, 93.211, 33.864

Rectangle

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



86, 56.212, 176.079



86, 56.212, 226.079



86, 56.212, 356.079



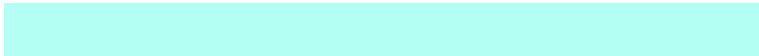
86, 56.212, 46.079

Sweetspot

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



86, 56.212, 176.078



95, 25.795, 184.605



84, 113.982, 135.295



50, 17.376, 184.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 56.212, 176.078



90, 58.527, 176.011



62, 51.891, 265.739



49, 4.864, 186.493



67, 45.560, 176.355



20, 19.398, 178.779

Inverse Universe

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



51, 93.211, 33.864



53, 97.199, 34.062



57, 88.897, 49.454



47, 5.080, 8.009



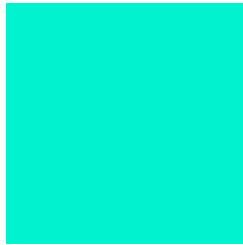
38, 75.092, 32.992



8, 29.163, 17.730

Previews

White Background



This preview shows how the CIE LCh color 86, 56.212, 176.079 looks on a white background.

Color Contrast Check

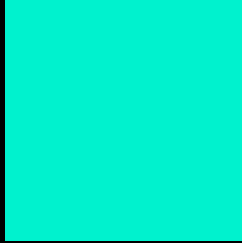
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 86, 56.212, 176.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

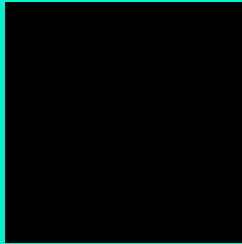
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 56.212, 176.079

Background



This preview shows how black text looks on a background with the CIELCh color 86, 56.212, 176.079.

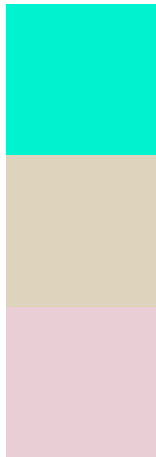


This preview shows how white text looks on a background with the CIELCh color 86, 56.212, 176.079.

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

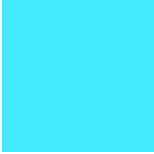
86, 56.212, 176.079

Protanopia

85, 12.114, 90.947

Deuteranopia

85, 10.759, 357.293

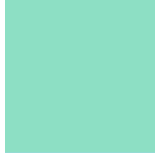


Tritanopia
86, 41.603, 210.957

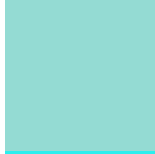
Trichromacy



Original Color
86, 56.212, 176.079



Protanomaly
83, 31.451, 170.197



Deuteranomaly
83, 24.041, 187.520

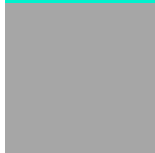


Tritanomaly
86, 45.956, 195.815

Monochromacy



Original Color
86, 56.212, 176.079



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 29.703, 183.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 56.212, 176.079 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(0, 242, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 206)  
}
```

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(0, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 56.212, 176.079 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(0, 242, 206) }
```

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

```
.border{ border-color:rgb(0, 242, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 56.212, 176.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 206) }
```

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

```
.background{ background-color: rgb(0, 242,  
206) }
```

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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