

Converting Colors

CIELCh(86, 57.102, 173.948)

Have a look what the booklet for
CIELCh(86, 57.102, 173.948)
contains.

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Color

CIELCh(86, 56.972, 174.065)

Conversions

Conversions Part 1

Format	Color
Hex	12F2CA
RGB	18, 242, 202
RGB Percent	7%, 95%, 79%
CMY	0.9306, 0.0504, 0.2073
CMYK	0.93, 0.00, 0.17, 0.05
HSL	169°, 90%, 51%
HSV	169°, 93%, 95%
XYZ	42.7155, 67.9871, 66.8337
YIQ	170.4640, -120.6640, -59.9280

Conversions

Conversions Part 2

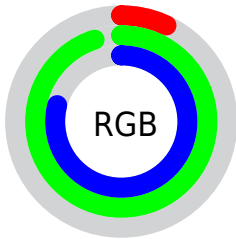
Format	Color
R _Y B	18, 141, 242
Decimal	1241802
CIE Lab	86.00, -56.67, 5.89
CIE LCh	86, 56.972, 174.065
Yxy	67.9871, 0.2406, 0.3829
Android (android.graphics.Color)	4279431882 (0xFF12F2CA)
YUV	170.4640, 15.5472, -133.7109
Hunter-Lab	82.4543, -51.8229, 9.6602

Details

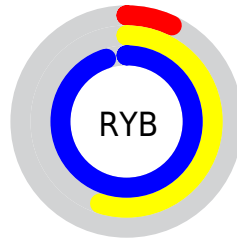
The CIELCh color **86, 56.972, 174.065** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **51, 86.924, 28.232**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **67, 48.853, 170.843** is the 20% darker color. If you saturate the color by 10%, you get **86, 58.381, 172.784**, and if you desaturate by 10%, it is **86, 54.419, 175.710**.

Distribution



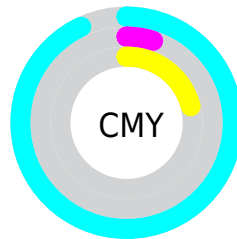
- Red (7%)
- Green (95%)
- Blue (79%)



- Red (7%)
- Yellow (55%)
- Blue (95%)



- Cyan (93%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (93%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 56.972, 174.065 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, 56.972, 174.065 by changing the saturation by 10% instead.


 86, 56.972,
174.065


 86, 56.972,
174.065


 100, 56.972,
174.065


 76, 56.972,
174.065

 66, 56.972,
174.065

 56, 56.972,
174.065

 46, 56.972,
174.065

 36, 56.972,
174.065

 26, 56.972,
174.065

 16, 56.972,

174.065

■ 6, 56.972, 174.065

■ 0, 56.972, 174.065

■ 86, 56.972,
174.065

■ 86, 56.972,
174.065

■ 86, 58.381,
172.784

■ 86, 54.419,
175.710

■ 87, 50.903,
177.194

■ 87, 46.368,
178.535

■ 88, 40.840,
179.754

■ 89, 34.407,

180.875

■ 90, 27.196,
181.919

■ 92, 19.354,
182.905

■ 93, 11.033,
183.855

■ 95, 2.372, 184.940

Harmonies

Complementary

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



86, 56.972, 174.065



51, 86.924, 28.232

Rectangle

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



86, 56.972, 174.065



86, 56.972, 224.065



86, 56.972, 354.065



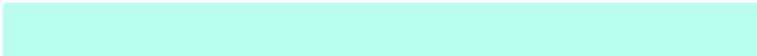
86, 56.972, 44.065

Sweetspot

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



86, 56.972, 174.064



95, 24.588, 182.380



84, 111.219, 134.722



50, 16.781, 181.948



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, 56.972, 174.064



90, 60.751, 172.731



66, 46.707, 256.376



49, 4.921, 184.163



67, 47.251, 173.115



20, 20.001, 175.836

Inverse Universe

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



51, 86.924, 28.232



53, 95.303, 32.161



58, 85.573, 48.789



47, 5.123, 5.736



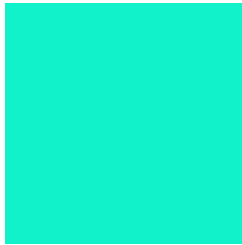
38, 73.643, 31.013



8, 29.067, 16.505

Previews

White Background



This preview shows how the CIE LCh color 86, 56.972, 174.065 looks on a white background.

Color Contrast Check

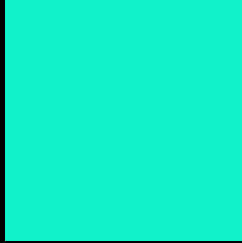
Large Text (above 18pt) WCAG AA × Fail

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, 56.972, 174.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

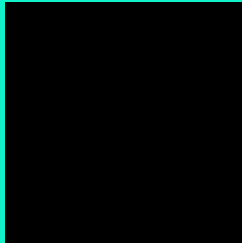
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

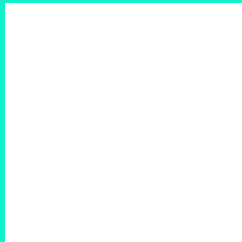
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 56.972, 174.065

Background



This preview shows how black text looks on a background with the CIELCh color 86, 56.972, 174.065.

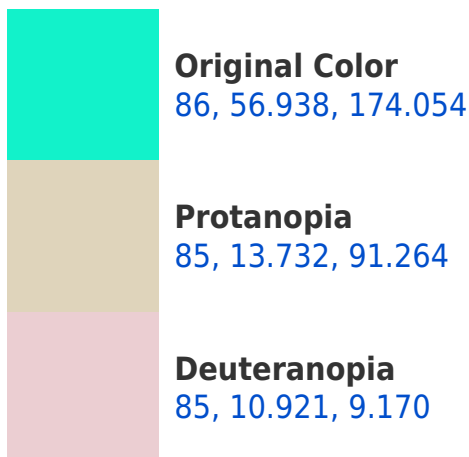


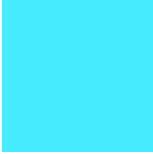
This preview shows how white text looks on a background with the CIELCh color 86, 56.972, 174.065.

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



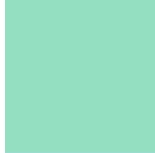


Tritanopia
86, 41.267, 211.093

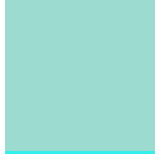
Trichromacy



Original Color
86, 56.938, 174.054



Protanomaly
83, 30.557, 166.058



Deuteranomaly
83, 22.453, 181.343

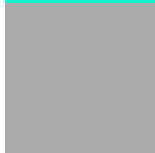


Tritanomaly
86, 45.517, 194.488

Monochromacy



Original Color
86, 56.938, 174.054



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 28.135, 181.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 56.972, 174.065 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(18, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(18, 242, 202)  
}
```

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(18, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 242, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 56.972, 174.065 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(18, 242, 202) }
```

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

```
.border{ border-color:rgb(18, 242, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(18, 242,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 56.972, 174.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 242, 202) }
```

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

```
.background{ background-color: rgb(18, 242,  
202) }
```

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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