

Converting Colors

CIELCh(86, 50.811, 186.347)

Have a look what the booklet for
CIELCh(86, 50.811, 186.347)
contains.

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Color

CIELCh(86, 50.673, 186.521)

Conversions

Conversions Part 1

Format	Color
Hex	08F0E0
RGB	8, 240, 224
RGB Percent	3%, 94%, 88%
CMY	0.9704, 0.0574, 0.1202
CMYK	0.97, 0.00, 0.07, 0.06
HSL	176°, 94%, 49%
HSV	176°, 97%, 94%
XYZ	44.8658, 67.9871, 81.5340
YIQ	168.8080, -133.1360, -54.1600

Conversions

Conversions Part 2

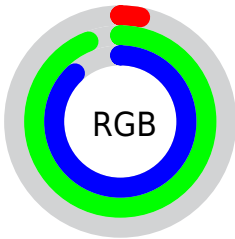
Format	Color
RYB	8, 128, 240
Decimal	585952
CIELab	86.00, -50.35, -5.75
CIELCh	86, 50.673, 186.521
Yxy	67.9871, 0.2308, 0.3498
Android (android.graphics.Color)	4278776032 (0xFF08F0E0)
YUV	168.8080, 27.2097, -141.0286
Hunter-Lab	82.4543, -47.1680, -0.9102

Details

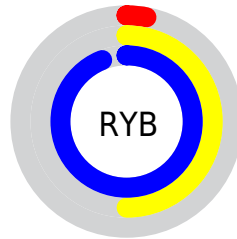
The CIELCh color **86, 50.673, 186.521** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **50, 95.391, 36.931**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **67, 41.820, 185.359** is the 20% darker color. If you saturate the color by 10%, you get **86, 50.959, 186.242**, and if you desaturate by 10%, it is **86, 49.436, 187.386**.

Distribution



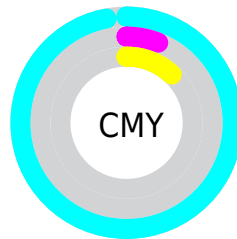
- Red (3%)
- Green (94%)
- Blue (88%)



- Red (3%)
- Yellow (50%)
- Blue (94%)



- Cyan (97%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)





- Cyan (97%)
- Magenta (6%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 50.673, 186.521 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, 50.673, 186.521 by changing the saturation by 10% instead.


 86, 50.673,
186.521


 86, 50.673,
186.521


 100, 50.673,
186.521


 76, 50.673,
186.521

 66, 50.673,
186.521

 56, 50.673,
186.521

 46, 50.673,
186.521

 36, 50.673,
186.521

 26, 50.673,
186.521

 16, 50.673,

186.521

■ 6, 50.673, 186.521

■ 0, 50.673, 186.521

■ 86, 50.673,
186.521

■ 86, 50.673,
186.521

■ 86, 50.959,
186.242

■ 86, 49.436,
187.386

■ 86, 47.278,
188.192

■ 87, 44.088,
188.953

■ 88, 39.845,
189.684

■ 88, 34.593,

190.398

■ 89, 28.428,
191.108

■ 91, 21.475,
191.820

■ 92, 13.876,
192.544

■ 94, 5.774, 193.319

Harmonies

Complementary

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



86, 50.673, 186.521



50, 95.391, 36.931

Rectangle

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



86, 50.673, 186.521



86, 50.673, 236.521



86, 50.673, 6.521



86, 50.673, 56.521

Sweetspot

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



86, 50.673, 186.520



95, 24.147, 191.660



83, 113.327, 135.752



50, 16.319, 191.355



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, 50.673, 186.520



91, 53.302, 186.212



58, 57.463, 273.943



49, 4.749, 193.102



67, 41.588, 186.402



20, 17.981, 187.716

Inverse Universe

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



50, 95.391, 36.931



53, 101.836, 38.012



60, 83.401, 54.340



47, 5.005, 14.379



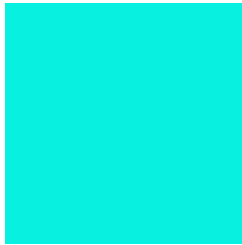
38, 78.836, 37.279



8, 29.487, 21.033

Previews

White Background



This preview shows how the CIE LCh color 86, 50.673, 186.521 looks on a white background.

Color Contrast Check

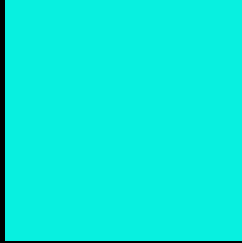
Large Text (above 18pt) WCAG AA × Fail

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, 50.673, 186.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

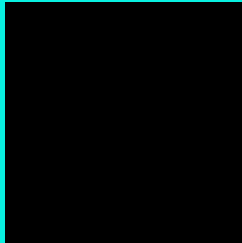
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

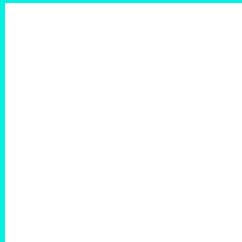
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 50.673, 186.521

Background



This preview shows how black text looks on a background with the CIELCh color 86, 50.673, 186.521.

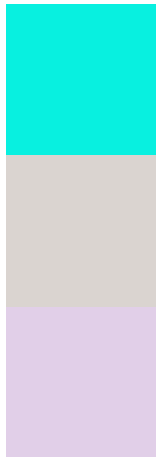


This preview shows how white text looks on a background with the CIELCh color 86, 50.673, 186.521.

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

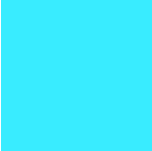
86, 50.605, 186.512

Protanopia

85, 3.017, 63.274

Deuteranopia

85, 14.677, 316.805

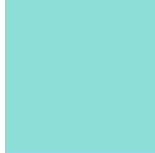


Tritanopia
86, 42.866, 210.460

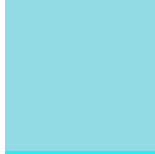
Trichromacy



Original Color
86, 50.605, 186.512



Protanomaly
83, 26.794, 188.413



Deuteranomaly
83, 23.524, 210.988

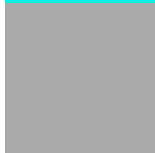


Tritanomaly
86, 45.369, 200.589

Monochromacy



Original Color
86, 50.605, 186.512



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 27.661, 190.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 50.673, 186.521 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(8, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(8, 240, 224)  
}
```

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(8, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 240, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 50.673, 186.521 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(8, 240, 224) }
```

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

```
.border{ border-color:rgb(8, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(8, 240,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 50.673, 186.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 240, 224) }
```

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

```
.background{ background-color: rgb(8, 240,  
224) }
```

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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