

Converting Colors

CIELCh(86, 47.009, 197.585)

Have a look what the booklet for
CIELCh(86, 47.009, 197.585)
contains.

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Color

CIELCh(86, 47.171, 197.070)

Conversions

Conversions Part 1

Format	Color
Hex	10EFF0
RGB	16, 239, 240
RGB Percent	6%, 94%, 94%
CMY	0.9376, 0.0636, 0.0597
CMYK	0.93, 0.00, 0.00, 0.06
HSL	180°, 88%, 50%
HSV	180°, 93%, 94%
XYZ	46.7062, 67.9871, 92.9247
YIQ	172.4370, -133.2290, -46.9650

Conversions

Conversions Part 2

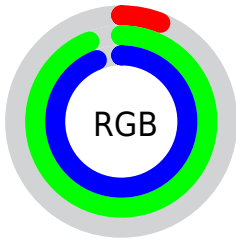
Format	Color
R _Y B	16, 128, 240
Decimal	1110000
CIE Lab	86.00, -45.09, -13.85
CIE LCh	86, 47.171, 197.070
Yxy	67.9871, 0.2250, 0.3275
Android (android.graphics.Color)	4279300080 (0xFF10EFF0)
YUV	172.4370, 33.3086, -137.1952
Hunter-Lab	82.4543, -43.1837, -9.1009

Details

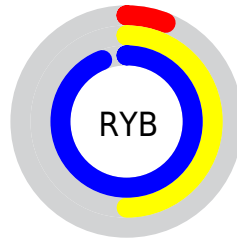
The CIELCh color **86, 47.171, 197.070** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 96.266, 38.611**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **67, 38.617, 198.083** is the 20% darker color. If you saturate the color by 10%, you get **86, 47.522, 197.089**, and if you desaturate by 10%, it is **86, 46.056, 197.081**.

Distribution



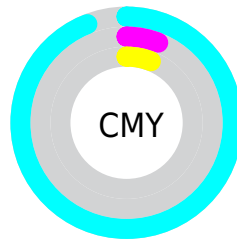
- Red (6%)
- Green (94%)
- Blue (94%)



- Red (6%)
- Yellow (50%)
- Blue (94%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 47.171, 197.070 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, 47.171, 197.070 by changing the saturation by 10% instead.


 86, 47.171,
197.070


 86, 47.171,
197.070


 100, 47.171,
197.070


 76, 47.171,
197.070

 66, 47.171,
197.070

 56, 47.171,
197.070

 46, 47.171,
197.070

 36, 47.171,
197.070

 26, 47.171,
197.070

 16, 47.171,

197.070

■ 6, 47.171, 197.070

■ 0, 47.171, 197.070

■ 86, 47.171,
197.070

■ 86, 47.171,
197.070

■ 86, 47.522,
197.089

■ 86, 46.056,
197.081

■ 87, 43.979,
197.160

■ 87, 40.855,
197.311

■ 88, 36.671,
197.537

■ 89, 31.476,

197.835

■ 90, 25.365,
198.203

■ 91, 18.460,
198.635

■ 92, 10.897,
199.134

■ 94, 2.815, 199.821

Harmonies

Complementary

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



86, 47.171, 197.070



51, 96.266, 38.611

Rectangle

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



86, 47.171, 197.070



86, 47.171, 247.070



86, 47.171, 17.070



86, 47.171, 67.070

Sweetspot

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



86, 47.170, 197.069



95, 22.853, 198.423



83, 112.851, 136.216



50, 15.507, 198.241



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, 47.170, 197.069



91, 49.788, 197.091



54, 65.374, 281.863



49, 4.680, 199.355



67, 38.906, 197.077



20, 16.999, 196.980

Inverse Universe

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



57, 108.733, 328.366



60, 115.156, 328.414



65, 78.463, 61.815



47, 8.582, 325.063



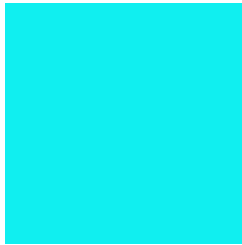
44, 89.982, 328.410



10, 39.300, 328.386

Previews

White Background



This preview shows how the CIE LCh color 86, 47.171, 197.070 looks on a white background.

Color Contrast Check

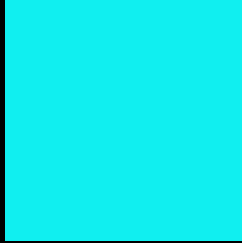
Large Text (above 18pt) WCAG AA × Fail

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, 47.171, 197.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

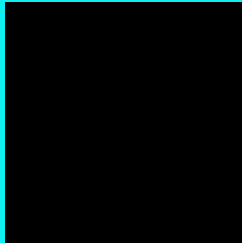
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 47.171, 197.070

Background



This preview shows how black text looks on a background with the CIELCh color 86, 47.171, 197.070.



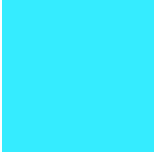
This preview shows how white text looks on a background with the CIELCh color 86, 47.171, 197.070.

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, 43.214, 210.330

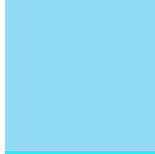
Trichromacy



Original Color
86, 47.202, 197.068



Protanomaly
84, 25.292, 206.219



Deuteranomaly
84, 25.636, 229.348

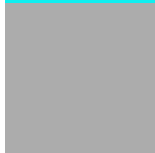


Tritanomaly
86, 44.633, 204.868

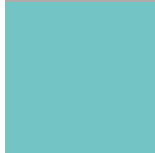
Monochromacy



Original Color
86, 47.202, 197.068



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 25.827, 198.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 47.171, 197.070 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(16, 239, 240)` looks like.

```
.text, #text, p{  
    color:rgb(16, 239, 240)  
}
```

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(16, 239, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 239, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 47.171, 197.070 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(16, 239, 240) }
```

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

```
.border{ border-color:rgb(16, 239, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 239, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 239, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 239, 240);  
box-shadow:4px 4px 4px 4px rgb(16, 239,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 47.171, 197.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 239, 240) }
```

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

```
.background{ background-color: rgb(16, 239,  
240) }
```

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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