

Converting Colors

CIELCh(86, 42.886, 196.650)

Have a look what the booklet for
CIELCh(86, 42.886, 196.650)
contains.

CIELCh(86, 42.894, 196.661)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 42.894, 196.661)

Conversions

Conversions Part 1

Format	Color
Hex	47EDED
RGB	71, 237, 237
RGB Percent	28%, 93%, 93%
CMY	0.7218, 0.0708, 0.0708
CMYK	0.70, 0.00, 0.00, 0.07
HSL	180°, 82%, 60%
HSV	180°, 70%, 93%
XYZ	48.1411, 67.9871, 90.6678
YIQ	187.3660, -98.9360, -35.1920

Conversions

Conversions Part 2

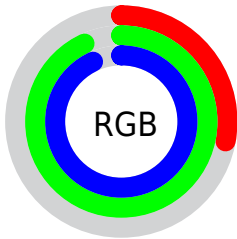
Format	Color
RYB	71, 154, 237
Decimal	4713965
CIELab	86.00, -41.09, -12.30
CIELCh	86, 42.894, 196.661
Yxy	67.9871, 0.2328, 0.3288
Android (android.graphics.Color)	4282904045 (0xFF47EDED)
YUV	187.3660, 24.4696, -102.0530
Hunter-Lab	82.4543, -40.0775, -7.4780

Details

The CIELCh color **86, 42.894, 196.661** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **55, 73.430, 30.652**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **67, 38.438, 197.240** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.320, 196.512**, and if you desaturate by 10%, it is **87, 39.419, 196.874**.

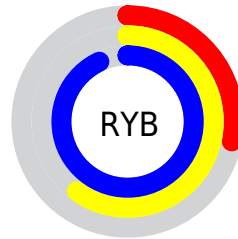
Distribution



Red (28%)

Green (93%)

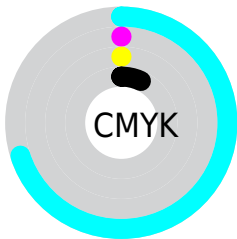
Blue (93%)



Red (28%)

Yellow (60%)

Blue (93%)

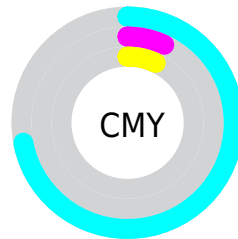


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (7%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 42.894, 196.661 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, 42.894, 196.661 by changing the saturation by 10% instead.


 86, 42.894,
196.661


 86, 42.894,
196.661


 100, 42.894,
196.661


 76, 42.894,
196.661

 66, 42.894,
196.661

 56, 42.894,
196.661

 46, 42.894,
196.661

 36, 42.894,
196.661

 26, 42.894,
196.661

 16, 42.894,

196.661

■ 6, 42.894, 196.661

■ 0, 42.894, 196.661

■ 86, 42.894,
196.661

■ 86, 42.894,
196.661

■ 86, 45.320,
196.512

■ 87, 39.419,
196.874

■ 85, 46.757,
196.424

■ 87, 34.905,
197.155

■ 85, 47.407,
196.385

■ 88, 29.415,
197.503

■ 89, 23.054,
197.914

■ 91, 15.949,

198.386

■ 92, 8.237, 198.930

■ 94, 0.053, 211.229

■ 95, 6.477, 19.746

■ 95, 6.477, 19.746

Harmonies

Complementary

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



86, 42.894, 196.661



55, 73.430, 30.652

Rectangle

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



86, 42.894, 196.661



86, 42.894, 246.661



86, 42.894, 16.661



86, 42.894, 66.661

Sweetspot

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



86, 42.894, 196.660



97, 17.657, 198.335



83, 96.755, 137.821



51, 11.839, 198.200



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, 42.894, 196.660



91, 48.679, 196.467



63, 47.822, 269.884



48, 4.619, 198.967



67, 38.752, 196.385



19, 16.595, 196.385

Inverse Universe

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



55, 73.430, 30.652



55, 93.371, 35.720



70, 59.800, 64.845



46, 4.905, 19.936



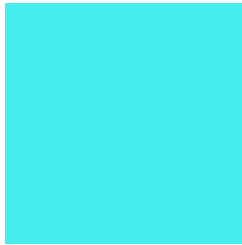
38, 80.847, 39.985



7, 28.535, 22.715

Previews

White Background



This preview shows how the CIE LCh color 86, 42.894, 196.661 looks on a white background.

Color Contrast Check

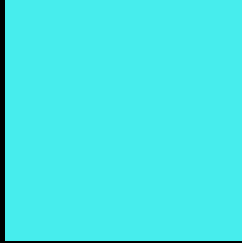
Large Text (above 18pt) WCAG AA × Fail

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, 42.894, 196.661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

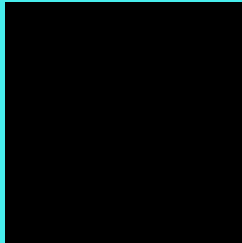
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 42.894, 196.661

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.894, 196.661.

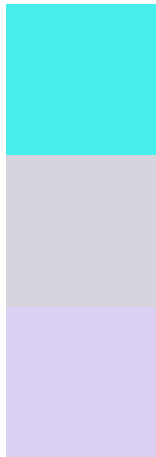


This preview shows how white text looks on a background with the CIELCh color 86, 42.894, 196.661.

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

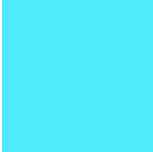
86, 42.894, 196.661

Protanopia

85, 5.385, 302.051

Deuteranopia

85, 18.949, 304.227



Tritanopia
86, 39.858, 211.688

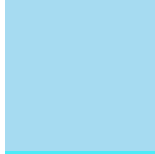
Trichromacy



Original Color
86, 42.894, 196.661



Protanomaly
85, 19.204, 207.691



Deuteranomaly
85, 20.151, 233.796

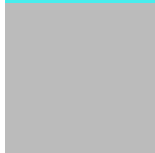


Tritanomaly
86, 40.710, 205.890

Monochromacy



Original Color
86, 42.894, 196.661



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 20.035, 197.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.894, 196.661 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(71, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(71, 237, 237)  
}
```

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(71, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 237, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.894, 196.661 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(71, 237, 237) }
```

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

```
.border{ border-color:rgb(71, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(71, 237,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.894, 196.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 237, 237) }
```

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

```
.background{ background-color: rgb(71, 237,  
237) }
```

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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