

Converting Colors

CIELCh(86, 42.520, 196.569)

Have a look what the booklet for
CIELCh(86, 42.520, 196.569)
contains.

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Color

CIELCh(86, 42.512, 196.684)

Conversions

Conversions Part 1

Format	Color
Hex	4AEDED
RGB	74, 237, 237
RGB Percent	29%, 93%, 93%
CMY	0.7110, 0.0714, 0.0714
CMYK	0.69, 0.00, 0.00, 0.07
HSL	180°, 82%, 61%
HSV	180°, 69%, 93%
XYZ	48.2756, 67.9871, 90.5332
YIQ	188.2630, -97.1480, -34.5560

Conversions

Conversions Part 2

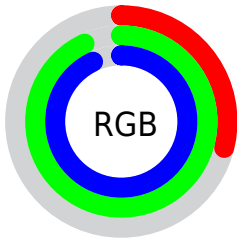
Format	Color
RYB	74, 156, 237
Decimal	4910573
CIELab	86.00, -40.72, -12.20
CIELCh	86, 42.512, 196.684
Yxy	67.9871, 0.2334, 0.3288
Android (android.graphics.Color)	4283100653 (0xFF4AEDED)
YUV	188.2630, 24.0273, -100.2087
Hunter-Lab	82.4543, -39.7863, -7.3812

Details

The CIELCh color **86, 42.512, 196.684** 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, 72.053, 30.260**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **67, 38.438, 197.240** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.060, 196.527**, and if you desaturate by 10%, it is **87, 38.913, 196.905**.

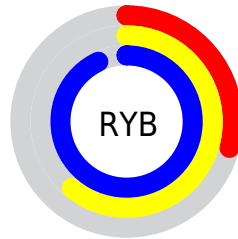
Distribution



Red (29%)

Green (93%)

Blue (93%)



Red (29%)

Yellow (61%)

Blue (93%)

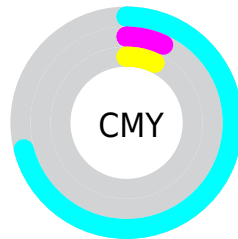


Cyan (69%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (71%)

Magenta (7%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 42.512, 196.684 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, 42.512, 196.684 by changing the saturation by 10% instead.

 86, 42.512,
196.684

 86, 42.512,
196.684

 100, 42.512,
196.684

 76, 42.512,
196.684

 66, 42.512,
196.684

 56, 42.512,
196.684

 46, 42.512,
196.684

 36, 42.512,
196.684

 26, 42.512,
196.684

 16, 42.512,


196.684


 6, 42.512, 196.684

 0, 42.512, 196.684


 86, 42.512,
196.684


 86, 42.512,
196.684

 86, 45.060,
196.527


 87, 38.913,
196.905

 85, 46.608,
196.433


 87, 34.281,
197.194

 85, 47.322,
196.390

 88, 28.685,
197.549

 85, 47.382,
196.386

 89, 22.232,
197.968

 91, 15.052,

198.447

 92, 7.281, 199.004

 94, 0.947, 18.808

 95, 6.539, 19.753

 95, 6.539, 19.753

Harmonies

Complementary

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



86, 42.512, 196.684



55, 72.053, 30.260

Rectangle

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



86, 42.512, 196.684



86, 42.512, 246.684



86, 42.512, 16.684



86, 42.512, 66.684

Sweetspot

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



86, 42.512, 196.683



97, 17.657, 198.336



83, 95.838, 138.173



51, 11.839, 198.201



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, 42.512, 196.683



91, 48.514, 196.478



63, 48.260, 271.298



48, 4.619, 198.968



67, 38.752, 196.386



19, 16.595, 196.386

Inverse Universe

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



61, 94.192, 327.752



62, 110.432, 328.080



71, 58.688, 66.562



46, 8.457, 324.942



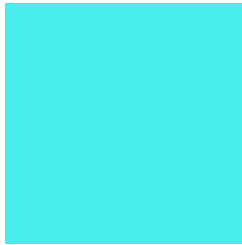
43, 89.364, 328.233



9, 38.267, 328.233

Previews

White Background



This preview shows how the CIE LCh color 86, 42.512, 196.684 looks on a white background.

Color Contrast Check

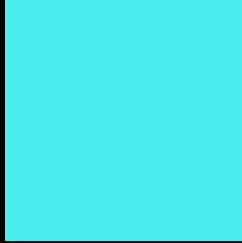
Large Text (above 18pt) WCAG AA × Fail

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, 42.512, 196.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

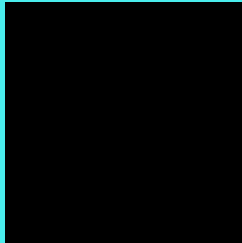
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 42.512, 196.684

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.512, 196.684.

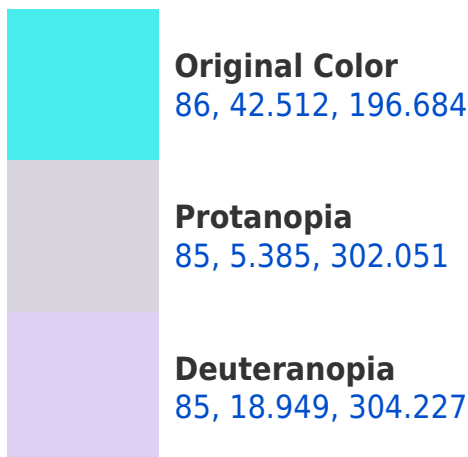


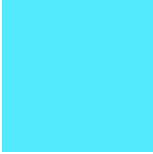
This preview shows how white text looks on a background with the CIELCh color 86, 42.512, 196.684.

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, 39.590, 211.804

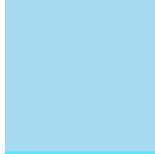
Trichromacy



Original Color
86, 42.512, 196.684



Protanomaly
85, 18.912, 207.858



Deuteranomaly
84, 19.953, 236.166

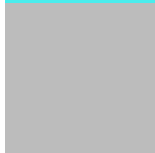


Tritanomaly
86, 40.311, 206.003

Monochromacy



Original Color
86, 42.512, 196.684



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 20.027, 197.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.512, 196.684 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(74, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 237, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.512, 196.684 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(74, 237, 237) }
```

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

```
.border{ border-color:rgb(74, 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(74, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(74, 237,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.512, 196.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 237, 237) }
```

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

```
.background{ background-color: rgb(74, 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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