

Converting Colors

CIELCh(86, 34.009, 210.091)

Have a look what the booklet for
CIELCh(86, 34.009, 210.091)
contains.

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Color

CIELCh(86, 34.033, 209.916)

Conversions

Conversions Part 1

Format	Color
Hex	72E8F6
RGB	114, 232, 246
RGB Percent	45%, 91%, 96%
CMY	0.5526, 0.0899, 0.0350
CMYK	0.54, 0.06, 0.00, 0.04
HSL	186°, 88%, 71%
HSV	186°, 54%, 96%
XYZ	52.4660, 67.9871, 97.5955
YIQ	198.3140, -74.8220, -20.6620

Conversions

Conversions Part 2

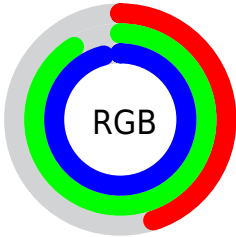
Format	Color
RYB	114, 176, 246
Decimal	7530742
CIELab	86.00, -29.50, -16.97
CIELCh	86, 34.033, 209.916
Yxy	67.9871, 0.2406, 0.3118
Android (android.graphics.Color)	4285720822 (0xFF72E8F6)
YUV	198.3140, 23.5092, -73.9434
Hunter-Lab	82.4543, -30.7147, -12.4595

Details

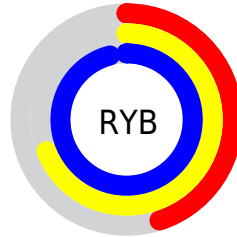
The CIELCh color **86, 34.033, 209.916** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 52.090, 32.843**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **66, 34.019, 210.215** is the 20% darker color. If you saturate the color by 10%, you get **85, 37.809, 210.619**, and if you desaturate by 10%, it is **88, 29.284, 209.446**.

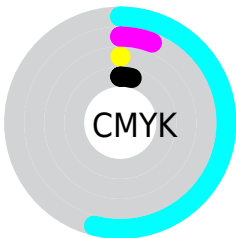
Distribution



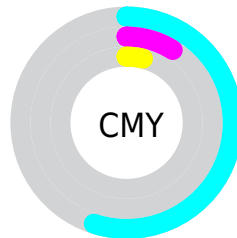
- Red (45%)
- Green (91%)
- Blue (96%)



- Red (45%)
- Yellow (69%)
- Blue (96%)



- Cyan (54%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)





- Cyan (55%)
- Magenta (9%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 34.033, 209.916 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, 34.033, 209.916 by changing the saturation by 10% instead.


 86, 34.033,
209.916


 86, 34.033,
209.916


 100, 34.033,
209.916


 76, 34.033,
209.916

 66, 34.033,
209.916

 56, 34.033,
209.916

 46, 34.033,
209.916

 36, 34.033,
209.916

 26, 34.033,
209.916

 16, 34.033,

209.916

■ 6, 34.033, 209.916

■ 0, 34.033, 209.916

■ 86, 34.033,
209.916

■ 86, 34.033,
209.916

■ 85, 37.809,
210.619

■ 88, 29.284,
209.446

■ 83, 40.556,
211.605

■ 89, 23.664,
209.175

■ 82, 42.276,
212.914

■ 92, 17.295,
209.068

■ 81, 43.052,
214.582

■ 94, 10.307,
209.105

■ 81, 43.197,

■ 96, 2.824, 209.385

215.804

98, 2.700, 37.540

99, 2.706, 72.377

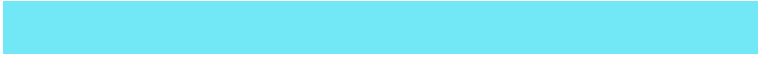
99, 3.550, 98.057

100, 4.521,
109.823

Harmonies

Complementary

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



86, 34.033, 209.916



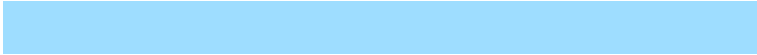
67, 52.090, 32.843

Rectangle

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



86, 34.033, 209.916



86, 34.033, 259.916



86, 34.033, 29.916



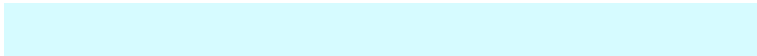
86, 34.033, 79.916

Sweetspot

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



86, 34.033, 209.914



96, 12.356, 209.083



88, 75.725, 142.508



51, 8.289, 209.071



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, 34.033, 209.914



87, 39.005, 210.660



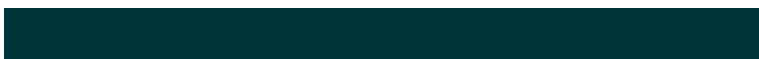
68, 45.070, 276.035



50, 4.326, 209.168



62, 35.078, 215.429



19, 15.764, 212.614

Inverse Universe

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



68, 74.724, 330.613



66, 88.417, 331.194



81, 47.743, 78.102



48, 8.144, 327.986



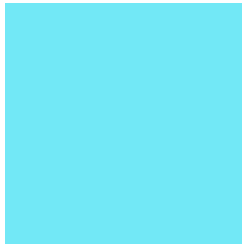
43, 83.944, 332.964



10, 37.734, 332.274

Previews

White Background



This preview shows how the CIE LCh color 86, 34.033, 209.916 looks on a white background.

Color Contrast Check

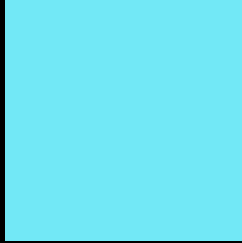
Large Text (above 18pt) WCAG AA × Fail

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, 34.033, 209.916 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, 34.033, 209.916

Background



This preview shows how black text looks on a background with the CIELCh color 86, 34.033, 209.916.

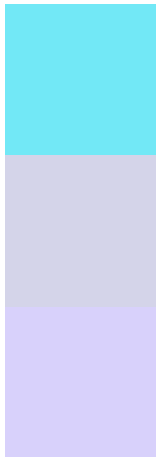


This preview shows how white text looks on a background with the CIELCh color 86, 34.033, 209.916.

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, 34.033, 209.916

Protanopia
85, 11.045, 291.114

Deuteranopia
86, 22.275, 298.063

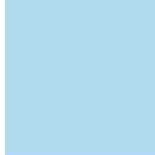


Tritanopia
86, 33.582, 214.880

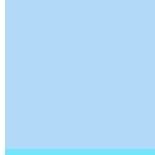
Trichromacy



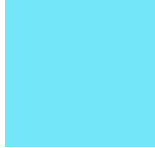
Original Color
86, 34.033, 209.916



Protanomaly
85, 16.970, 234.921



Deuteranomaly
85, 20.407, 254.872

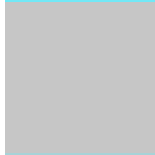


Tritanomaly
86, 33.728, 213.837

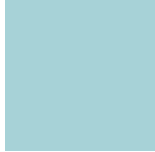
Monochromacy



Original Color
86, 34.033, 209.916



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.739, 208.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 34.033, 209.916 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(114, 232, 246)` looks like.

```
.text, #text, p{  
    color:rgb(114, 232, 246)  
}
```

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(114, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 232, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 34.033, 209.916 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(114, 232, 246) }
```

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

```
.border{ border-color:rgb(114, 232, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(114, 232,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 34.033, 209.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 232, 246) }
```

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

```
.background{ background-color: rgb(114,  
232, 246) }
```

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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