

Converting Colors

CIELCh(86, 42.198, 210.813)

Have a look what the booklet for
CIELCh(86, 42.198, 210.813)
contains.

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Color

CIELCh(86, 42.295, 210.680)

Conversions

Conversions Part 1

Format	Color
Hex	3EECFE
RGB	62, 236, 255
RGB Percent	24%, 93%, 100%
CMY	0.7555, 0.0761, 0.0016
CMYK	0.76, 0.07, 0.00, 0.00
HSL	186°, 100%, 62%
HSV	186°, 76%, 100%
XYZ	49.8711, 67.9871, 104.7596
YIQ	186.1400, -109.8030, -30.9790

Conversions

Conversions Part 2

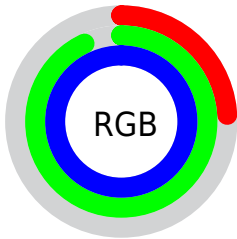
Format	Color
R _{YB}	62, 154, 255
Decimal	4123903
CIE Lab	86.00, -36.37, -21.58
CIE LCh	86, 42.295, 210.680
Yxy	67.9871, 0.2240, 0.3054
Android (android.graphics.Color)	4282313983 (0xFF3EECF)
YUV	186.1400, 33.9480, -108.8708
Hunter-Lab	82.4543, -36.3322, -17.6110

Details

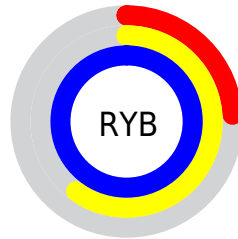
The CIELCh color **86, 42.295, 210.680** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 80.319, 36.593**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.696, 197.287**, and **67, 37.149, 212.466** is the 20% darker color. If you saturate the color by 10%, you get **85, 43.860, 211.941**, and if you desaturate by 10%, it is **87, 39.673, 209.728**.

Distribution



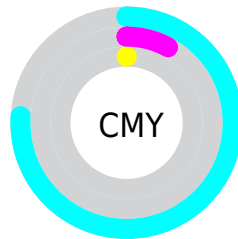
- Red (24%)
- Green (93%)
- Blue (100%)



- Red (24%)
- Yellow (60%)
- Blue (100%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 42.295, 210.680 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, 42.295, 210.680 by changing the saturation by 10% instead.


 86, 42.295,
210.680


 86, 42.295,
210.680


 100, 42.295,
210.680

 76, 42.295,
210.680

 66, 42.295,
210.680

 56, 42.295,
210.680

 46, 42.295,
210.680

 36, 42.295,
210.680

 26, 42.295,
210.680

 16, 42.295,

210.680

■ 6, 42.295, 210.680

■ 0, 42.295, 210.680

■ 86, 42.295,
210.680

■ 86, 42.295,
210.680

■ 85, 43.860,
211.941

■ 87, 39.673,
209.728

■ 84, 44.476,
213.542

■ 89, 35.979,
209.049

■ 84, 44.554,
214.345

■ 90, 31.262,
208.601

■ 92, 25.618,
208.347

■ 94, 19.172,

208.256

■ 96, 12.056,
208.304

■ 99, 4.404, 208.529

100, 0.194,
109.764

Harmonies

Complementary

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



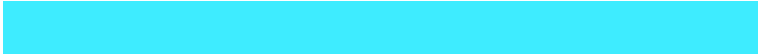
86, 42.295, 210.680



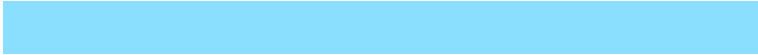
59, 80.319, 36.593

Rectangle

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



86, 42.295, 210.680



86, 42.295, 260.680



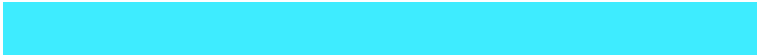
86, 42.295, 30.680



86, 42.295, 80.680

Sweetspot

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



86, 42.294, 210.679



95, 17.463, 208.255



88, 103.454, 139.163



50, 11.928, 208.259



0, 0.000, 0.000



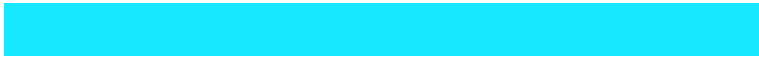
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 42.294, 210.679



85, 44.358, 212.778



60, 64.171, 282.099



52, 4.501, 208.404



64, 35.976, 214.001



21, 16.714, 211.640

Inverse Universe

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



62, 98.522, 331.515



60, 105.671, 332.265



77, 68.926, 73.064



50, 8.464, 327.765



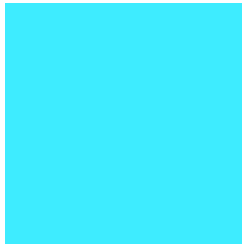
44, 86.125, 332.614



12, 39.993, 332.036

Previews

White Background



This preview shows how the CIE LCh color 86, 42.295, 210.680 looks on a white background.

Color Contrast Check

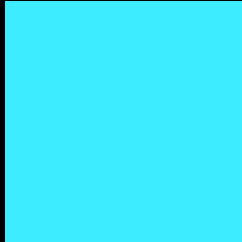
Large Text (above 18pt) WCAG AA × Fail

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, 42.295, 210.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

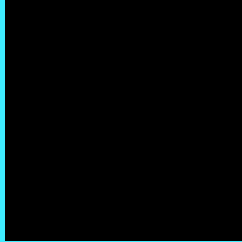
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 42.295, 210.680

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.295, 210.680.

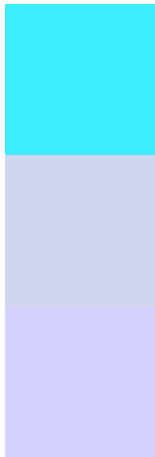


This preview shows how white text looks on a background with the CIELCh color 86, 42.295, 210.680.

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

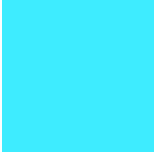
86, 42.395, 210.641

Protanopia

85, 14.215, 287.248

Deuteranopia

85, 24.242, 293.761

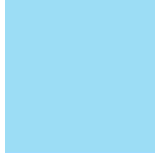


Tritanopia
86, 42.395, 210.641

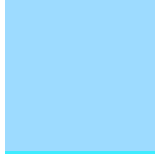
Trichromacy



Original Color
86, 42.395, 210.641



Protanomaly
85, 23.396, 231.199



Deuteranomaly
85, 26.136, 245.395

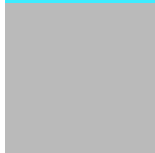


Tritanomaly
86, 42.395, 210.641

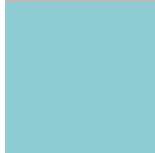
Monochromacy



Original Color
86, 42.395, 210.641



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 20.771, 208.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.295, 210.680 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(62, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 236, 255)  
}
```

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(62, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 236, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.295, 210.680 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(62, 236, 255) }
```

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

```
.border{ border-color:rgb(62, 236, 255) }
```

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

Here you see how a box with a 4 pixel rgb(62, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 236,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.295, 210.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 236, 255) }
```

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

```
.background{ background-color: rgb(62, 236,  
255) }
```

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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