

Converting Colors

CIELCh(86, 38.009, 189.690)

Have a look what the booklet for
CIELCh(86, 38.009, 189.690)
contains.

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Color

CIELCh(86, 38.024, 189.706)

Conversions

Conversions Part 1

Format	Color
Hex	6BEBE2
RGB	107, 235, 226
RGB Percent	42%, 92%, 89%
CMY	0.5807, 0.0787, 0.1140
CMYK	0.54, 0.00, 0.04, 0.08
HSL	176°, 76%, 67%
HSV	176°, 54%, 92%
XYZ	49.4624, 67.9871, 82.4204
YIQ	195.7020, -73.3990, -29.9350

Conversions

Conversions Part 2

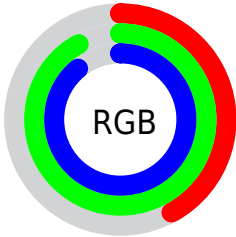
Format	Color
RYB	107, 173, 235
Decimal	7072738
CIELab	86.00, -37.48, -6.41
CIElCh	86, 38.024, 189.706
Yxy	67.9871, 0.2475, 0.3402
Android (android.graphics.Color)	4285262818 (0xFF6BEBE2)
YUV	195.7020, 14.9369, -77.7917
Hunter-Lab	82.4543, -37.2171, -1.5476

Details

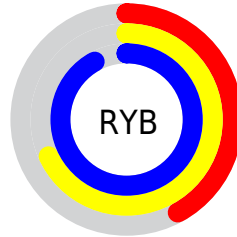
The CIELCh color **86, 38.024, 189.706** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **61, 53.876, 21.157**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **66, 38.124, 189.616** is the 20% darker color. If you saturate the color by 10%, you get **85, 42.447, 188.970**, and if you desaturate by 10%, it is **87, 32.632, 190.424**.

Distribution



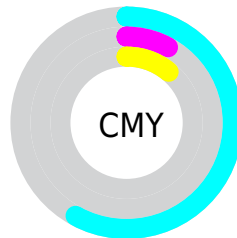
- Red (42%)
- Green (92%)
- Blue (89%)



- Red (42%)
- Yellow (68%)
- Blue (92%)



- Cyan (54%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





- Cyan (58%)
- Magenta (8%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 38.024, 189.706 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, 38.024, 189.706 by changing the saturation by 10% instead.


 86, 38.024,
189.706


 86, 38.024,
189.706


 100, 38.024,
189.706


 76, 38.024,
189.706

 66, 38.024,
189.706

 56, 38.024,
189.706

 46, 38.024,
189.706

 36, 38.024,
189.706

 26, 38.024,
189.706

 16, 38.024,

189.706

■ 6, 38.024, 189.706

■ 0, 38.024, 189.706

■ 86, 38.024,
189.706

■ 86, 38.024,
189.706

■ 85, 42.447,
188.970

■ 87, 32.632,
190.424

■ 85, 45.844,
188.208

■ 88, 26.372,
191.138

■ 84, 48.218,
187.403

■ 89, 19.375,
191.856

■ 84, 49.649,
186.538

■ 91, 11.780,
192.589

■ 84, 50.163,

■ 92, 3.725, 193.417

186.042

■ 94, 4.663, 13.840

■ 95, 7.322, 9.508

■ 95, 7.509, 3.143

■ 95, 7.785, 357.163

Harmonies

Complementary

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



86, 38.024, 189.706



61, 53.876, 21.157

Rectangle

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



86, 38.024, 189.706



86, 38.024, 239.706



86, 38.024, 9.706



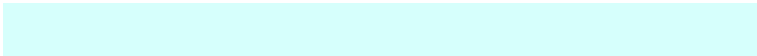
86, 38.024, 59.706

Sweetspot

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



86, 38.024, 189.704



97, 13.852, 192.471



84, 77.186, 138.203



52, 9.302, 192.318



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, 38.024, 189.704



92, 45.494, 188.910



71, 34.723, 256.130



48, 4.667, 192.975



66, 41.220, 186.202



19, 17.469, 187.612

Inverse Universe

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



61, 53.876, 21.157



61, 69.619, 24.253



72, 44.694, 60.279



46, 4.918, 14.253



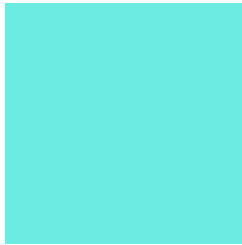
38, 77.920, 37.175



7, 28.252, 19.851

Previews

White Background



This preview shows how the CIE LCh color 86, 38.024, 189.706 looks on a white background.

Color Contrast Check

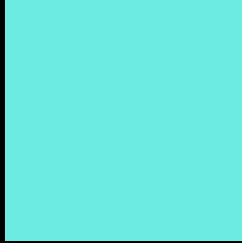
Large Text (above 18pt) WCAG AA × Fail

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, 38.024, 189.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

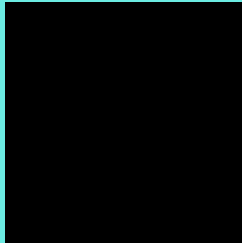
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 38.024, 189.706

Background



This preview shows how black text looks on a background with the CIELCh color 86, 38.024, 189.706.

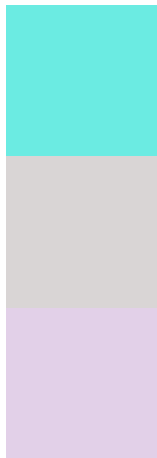


This preview shows how white text looks on a background with the CIELCh color 86, 38.024, 189.706.

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](#).

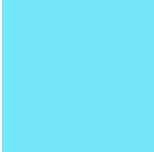
Dichromacy



Original Color
86, 38.024, 189.706

Protanopia
86, 1.450, 19.113

Deuteranopia
86, 14.196, 317.723



Tritanopia
86, 33.582, 214.880

Trichromacy



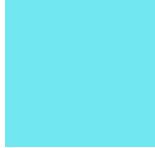
Original Color
86, 38.024, 189.706



Protanomaly
85, 15.186, 192.379



Deuteranomaly
85, 13.191, 227.444

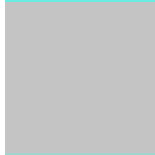


Tritanomaly
86, 34.299, 205.238

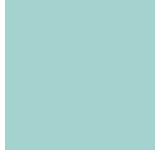
Monochromacy



Original Color
86, 38.024, 189.706



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.928, 192.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 38.024, 189.706 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(107, 235, 226)` looks like.

```
.text, #text, p{  
    color:rgb(107, 235, 226)  
}
```

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(107, 235, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 235, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 38.024, 189.706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

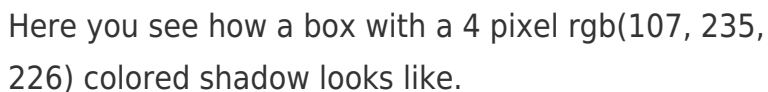
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 235, 226) }
```

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

```
.border{ border-color:rgb(107, 235, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 235, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 235, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 235, 226); box-shadow:4px 4px 4px 4px rgb(107, 235, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 38.024, 189.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 235, 226) }
```

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

```
.background{ background-color: rgb(107,  
235, 226) }
```

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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