

Converting Colors

CIELCh(86, 38.635, 194.532)

Have a look what the booklet for
CIELCh(86, 38.635, 194.532)
contains.

CIELCh(86, 38.635, 194.532)	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, 38.635, 194.532)

Conversions

Conversions Part 1	
Format	Color
Hex	63EBE8
RGB	99, 235, 232
RGB Percent	39%, 92%, 91%
CMY	0.6112, 0.0779, 0.0897
CMYK	0.58, 0.00, 0.01, 0.08
HSL	179°, 77%, 66%
HSV	179°, 58%, 92%
XYZ	49.4922, 67.9871, 86.9557
YIQ	193.9940, -80.0930, -29.7650

Conversions

Conversions Part 2

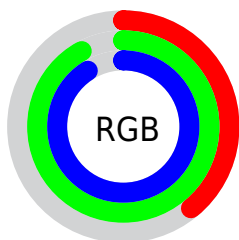
Format	Color
RYB	99, 168, 235
Decimal	6548456
CIELab	86.00, -37.40, -9.69
CIELCh	86, 38.635, 194.532
Yxy	67.9871, 0.2421, 0.3326
Android (android.graphics.Color)	4284738536 (0xFF63EBE8)
YUV	193.9940, 18.7370, -83.3097
Hunter-Lab	82.4543, -37.1526, -4.8088

Details

The CIELCh color **86, 38.635, 194.532** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **60, 58.523, 25.495**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **66, 38.842, 193.853** is the 20% darker color. If you saturate the color by 10%, you get **85, 42.434, 194.126**, and if you desaturate by 10%, it is **87, 33.820, 194.972**.

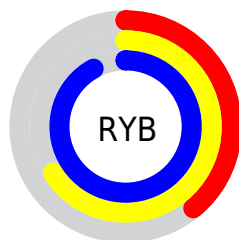
Distribution



Red (39%)

Green (92%)

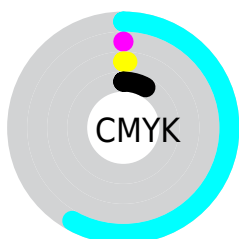
Blue (91%)



Red (39%)

Yellow (66%)

Blue (92%)

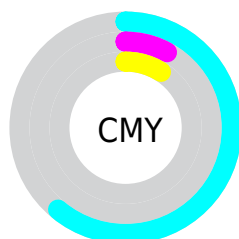


Cyan (58%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (61%)


Magenta (8%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 38.635, 194.532 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, 38.635, 194.532 by changing the saturation by 10% instead.


 86, 38.635,
194.532


 86, 38.635,
194.532


 100, 38.635,
194.532


 76, 38.635,
194.532

 66, 38.635,
194.532

 56, 38.635,
194.532

 46, 38.635,
194.532

 36, 38.635,
194.532


 26, 38.635,
194.532


 16, 38.635,


194.532


 6, 38.635, 194.532


 0, 38.635, 194.532


 86, 38.635,
194.532


 86, 38.635,
194.532


 85, 42.434,
194.126


 87, 33.820,
194.972


 85, 45.189,
193.755

 88, 28.069,
195.455

 85, 46.937,
193.408

 89, 21.495,
195.980

 85, 47.812,
193.073

 90, 14.232,
196.548

 85, 47.948,

 92, 6.417, 197.187

193.002

 93, 1.818, 17.360

 95, 7.152, 17.218

 95, 7.164, 15.096

 95, 7.187, 12.985

Harmonies

Complementary

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



86, 38.635, 194.532



60, 58.523, 25.495

Rectangle

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



86, 38.635, 194.532



86, 38.635, 244.532



86, 38.635, 14.532



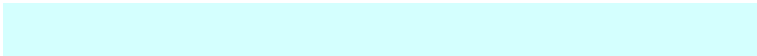
86, 38.635, 64.532

Sweetspot

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



86, 38.635, 194.530



97, 14.524, 196.593



84, 82.422, 138.844



51, 9.657, 196.474



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, 38.635, 194.530



92, 45.621, 194.070



68, 38.901, 263.531



48, 4.629, 197.073



67, 39.411, 193.057



19, 16.832, 193.537

Inverse Universe

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



60, 58.523, 25.495



59, 75.804, 28.940



73, 47.953, 64.845



46, 4.904, 18.149



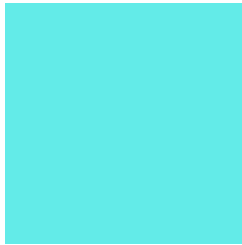
38, 79.854, 39.078



7, 28.439, 21.821

Previews

White Background



This preview shows how the CIELCh color 86, 38.635, 194.532 looks on a white background.

Color Contrast Check

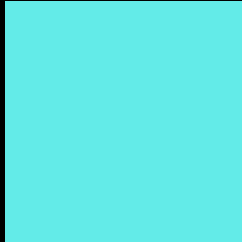
Large Text (above 18pt) WCAG AA × Fail

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, 38.635, 194.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

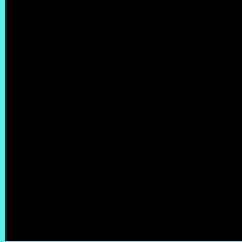
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 38.635, 194.532

Background



This preview shows how black text looks on a background with the CIELCh color 86, 38.635, 194.532.

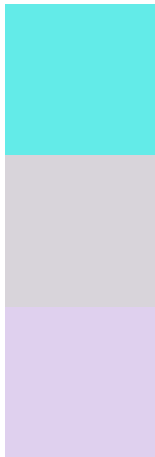


This preview shows how white text looks on a background with the CIELCh color 86, 38.635, 194.532.

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

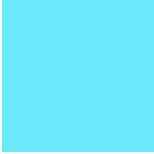
86, 38.635, 194.532

Protanopia

85, 3.489, 314.730

Deuteranopia


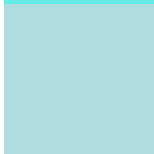
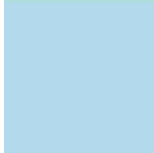
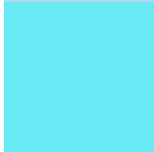
85, 16.699, 309.637



Tritanopia

86, 35.450, 213.820

Trichromacy

	Original Color 86, 38.635, 194.532
	Protanomaly 85, 15.543, 204.240
	Deuteranomaly 85, 15.972, 235.259
	Tritanomaly 86, 36.160, 206.435

Monochromacy

	Original Color 86, 38.635, 194.532
	Achromatopsia 78, 0.009, 296.813
	Achromatomaly 81, 16.713, 196.384

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 86, 38.635, 194.532 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(99, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(99, 235, 232)  
}
```

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(99, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 235, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 38.635, 194.532 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(99, 235, 232) }
```

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

```
.border{ border-color:rgb(99, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(99, 235,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 38.635, 194.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 235, 232) }
```

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

```
.background{ background-color: rgb(99, 235,  
232) }
```

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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