

Converting Colors

CIELCh(86, 40.631, 200.263)

Have a look what the booklet for
CIELCh(86, 40.631, 200.263)
contains.

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Color

CIELCh(86, 40.784, 199.793)

Conversions

Conversions Part 1

Format	Color
Hex	52ECF0
RGB	82, 236, 240
RGB Percent	32%, 93%, 94%
CMY	0.6790, 0.0750, 0.0593
CMYK	0.66, 0.02, 0.00, 0.06
HSL	182°, 84%, 63%
HSV	182°, 66%, 94%
XYZ	49.1330, 67.9871, 92.8716
YIQ	190.4100, -93.0680, -31.4040

Conversions

Conversions Part 2

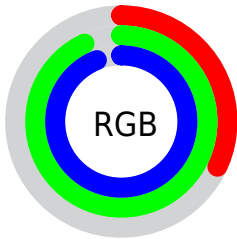
Format	Color
R _{YB}	82, 160, 240
Decimal	5434608
CIE _{Lab}	86.00, -38.37, -13.81
CIE _{LCh}	86, 40.784, 199.793
Yxy	67.9871, 0.2340, 0.3238
Android (android.graphics.Color)	4283624688 (0xFF52ECF0)
YUV	190.4100, 24.4479, -95.0756
Hunter-Lab	82.4543, -37.9302, -9.0627

Details

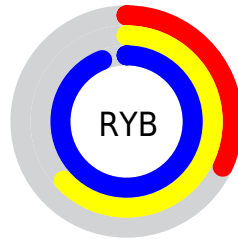
The CIELCh color **86, 40.784, 199.793** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **58, 68.357, 30.525**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.132, 197.441**, and **67, 38.043, 199.838** is the 20% darker color. If you saturate the color by 10%, you get **85, 43.526, 199.865**, and if you desaturate by 10%, it is **87, 36.982, 199.828**.

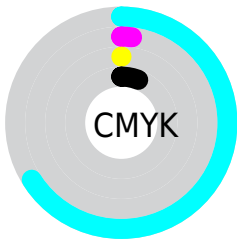
Distribution



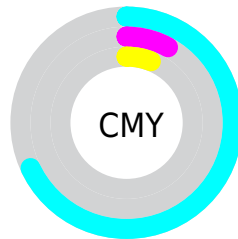
- Red (32%)
- Green (93%)
- Blue (94%)



- Red (32%)
- Yellow (63%)
- Blue (94%)



- Cyan (66%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)




- Cyan (68%)
- Magenta (8%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 40.784, 199.793 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, 40.784, 199.793 by changing the saturation by 10% instead.


 86, 40.784,
199.793


 86, 40.784,
199.793


 100, 40.784,
199.793


 76, 40.784,
199.793

 66, 40.784,
199.793

 56, 40.784,
199.793

 46, 40.784,
199.793

 36, 40.784,
199.793

 26, 40.784,
199.793

 16, 40.784,

199.793

■ 6, 40.784, 199.793

■ 0, 40.784, 199.793

■ 86, 40.784,
199.793

■ 86, 40.784,
199.793

■ 85, 43.526,
199.865

■ 87, 36.982,
199.828

■ 85, 45.234,
200.053

■ 88, 32.161,
199.966

■ 85, 46.009,
200.352

■ 89, 26.406,
200.198

■ 84, 46.164,
200.497

■ 90, 19.837,
200.514

■ 92, 12.585,

200.909

■ 94, 4.788, 201.424

■ 96, 3.429, 21.585

■ 96, 5.113, 24.523

■ 96, 4.932, 28.301

Harmonies

Complementary

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



86, 40.784, 199.793



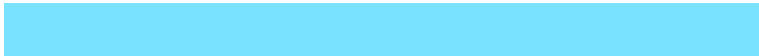
58, 68.357, 30.525

Rectangle

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



86, 40.784, 199.793



86, 40.784, 249.793



86, 40.784, 19.793



86, 40.784, 69.793

Sweetspot

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



86, 40.784, 199.792



96, 16.438, 200.733



84, 92.863, 138.873



51, 11.109, 200.624



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, 40.784, 199.792



90, 46.311, 199.916



64, 47.950, 272.001



49, 4.582, 201.213



66, 37.800, 200.426



20, 16.579, 199.845

Inverse Universe

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



62, 90.774, 328.466



62, 106.171, 328.886



73, 56.629, 68.550



47, 8.462, 325.628



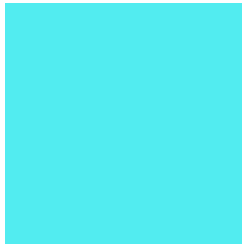
43, 88.527, 329.262



10, 38.752, 329.116

Previews

White Background



This preview shows how the CIE LCh color 86, 40.784, 199.793 looks on a white background.

Color Contrast Check

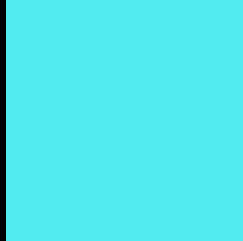
Large Text (above 18pt) WCAG AA × Fail

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, 40.784, 199.793 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, 40.784, 199.793

Background



This preview shows how black text looks on a background with the CIELCh color 86, 40.784, 199.793.

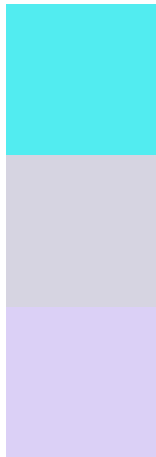


This preview shows how white text looks on a background with the CIELCh color 86, 40.784, 199.793.

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

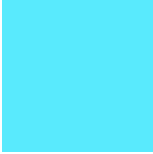
86, 40.784, 199.793

Protanopia

85, 6.887, 296.647

Deuteranopia

85, 20.421, 302.386

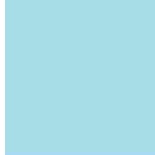


Tritanopia
86, 38.745, 212.181

Trichromacy



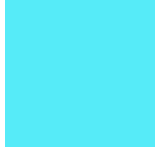
Original Color
86, 40.784, 199.793



Protanomaly
85, 18.487, 213.196



Deuteranomaly
85, 20.375, 241.112

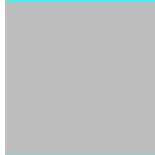


Tritanomaly
86, 39.428, 207.053

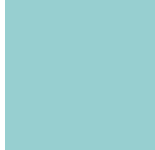
Monochromacy



Original Color
86, 40.784, 199.793



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 18.767, 199.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 40.784, 199.793 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(82, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(82, 236, 240)  
}
```

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(82, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 236, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 40.784, 199.793 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(82, 236, 240) }
```

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

```
.border{ border-color:rgb(82, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(82, 236,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 40.784, 199.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 236, 240) }
```

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

```
.background{ background-color: rgb(82, 236,  
240) }
```

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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