

Converting Colors

CIELCh(86, 40.250, 195.414)

Have a look what the booklet for
CIELCh(86, 40.250, 195.414)
contains.

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Color

CIELCh(86, 40.244, 195.294)

Conversions

Conversions Part 1

Format	Color
Hex	5AECEA
RGB	90, 236, 234
RGB Percent	35%, 93%, 92%
CMY	0.6478, 0.0752, 0.0830
CMYK	0.62, 0.00, 0.01, 0.08
HSL	179°, 79%, 64%
HSV	179°, 62%, 92%
XYZ	48.9700, 67.9871, 88.2568
YIQ	192.1180, -86.3740, -31.5740

Conversions

Conversions Part 2

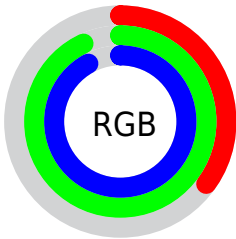
Format	Color
RYB	90, 164, 236
Decimal	5958890
CIELab	86.00, -38.82, -10.62
CIElCh	86, 40.244, 195.294
Yxy	67.9871, 0.2386, 0.3313
Android (android.graphics.Color)	4284148970 (0xFF5AECEA)
YUV	192.1180, 20.6478, -89.5575
Hunter-Lab	82.4543, -38.2831, -5.7444

Details

The CIELCh color **86, 40.244, 195.294** 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, 63.510, 27.206**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.658, 197.530**, and **66, 38.901, 194.698** is the 20% darker color. If you saturate the color by 10%, you get **85, 43.579, 194.973**, and if you desaturate by 10%, it is **87, 35.870, 195.660**.

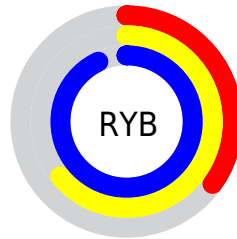
Distribution



Red (35%)

Green (93%)

Blue (92%)



Red (35%)

Yellow (64%)

Blue (93%)

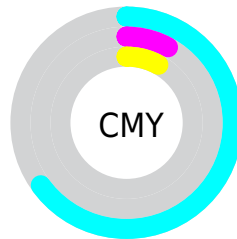


Cyan (62%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (65%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 40.244, 195.294 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, 40.244, 195.294 by changing the saturation by 10% instead.


 86, 40.244,
195.294

 86, 40.244,
195.294


 100, 40.244,
195.294


 76, 40.244,
195.294

 66, 40.244,
195.294

 56, 40.244,
195.294

 46, 40.244,
195.294

 36, 40.244,
195.294

 26, 40.244,
195.294

 16, 40.244,

195.294

■ 6, 40.244, 195.294

■ 0, 40.244, 195.294

■ 86, 40.244,
195.294

■ 86, 40.244,
195.294

■ 85, 43.579,
194.973

■ 87, 35.870,
195.660

■ 85, 45.874,
194.696

■ 88, 30.516,
196.078

■ 85, 47.199,
194.453

■ 89, 24.281,
196.545

■ 85, 47.728,
194.274

■ 90, 17.292,
197.062

■ 91, 9.686, 197.636

 93, 1.597, 198.540

 95, 6.849, 18.665

 95, 6.893, 17.303

 95, 6.900, 15.933

Harmonies

Complementary

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



86, 40.244, 195.294



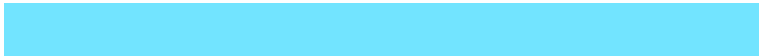
58, 63.510, 27.206

Rectangle

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



86, 40.244, 195.294



86, 40.244, 245.294



86, 40.244, 15.294



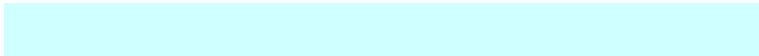
86, 40.244, 65.294

Sweetspot

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



86, 40.244, 195.292



97, 16.113, 197.218



83, 87.782, 138.691



51, 10.988, 197.060



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, 40.244, 195.292



92, 46.915, 194.903



66, 42.480, 266.879



48, 4.625, 197.791



67, 39.147, 194.308



19, 16.738, 194.610

Inverse Universe

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



58, 63.510, 27.206



58, 81.915, 31.243



72, 51.984, 65.944



46, 4.903, 18.828



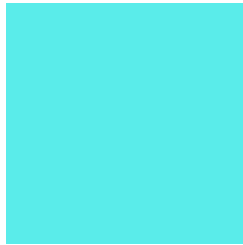
38, 80.225, 39.423



7, 28.475, 22.161

Previews

White Background



This preview shows how the CIE LCh color 86, 40.244, 195.294 looks on a white background.

Color Contrast Check

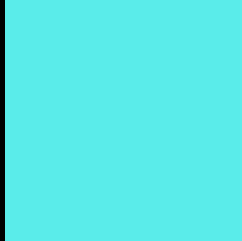
Large Text (above 18pt) WCAG AA × Fail

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, 40.244, 195.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

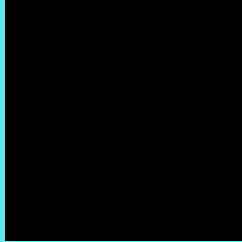
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 40.244, 195.294

Background



This preview shows how black text looks on a background with the CIELCh color 86, 40.244, 195.294.



This preview shows how white text looks on a background with the CIELCh color 86, 40.244, 195.294.

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





Tritanopia
86, 37.172, 212.930

Trichromacy



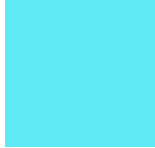
Original Color
86, 40.244, 195.294



Protanomaly
85, 17.385, 205.258



Deuteranomaly
85, 17.491, 235.857

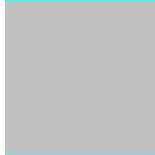


Tritanomaly
86, 37.914, 205.898

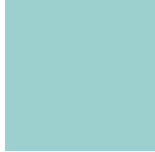
Monochromacy



Original Color
86, 40.244, 195.294



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 17.964, 196.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 40.244, 195.294 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(90, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(90, 236, 234)  
}
```

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(90, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 236, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 40.244, 195.294 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(90, 236, 234) }
```

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

```
.border{ border-color:rgb(90, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(90, 236,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 40.244, 195.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 236, 234) }
```

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

```
.background{ background-color: rgb(90, 236,  
234) }
```

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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