

Converting Colors

CIELCh(86, 40.239, 212.390)

Have a look what the booklet for
CIELCh(86, 40.239, 212.390)
contains.

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Color

CIELCh(86, 40.303, 212.287)

Conversions

Conversions Part 1

Format	Color
Hex	4EEBFF
RGB	78, 235, 255
RGB Percent	31%, 92%, 100%
CMY	0.6926, 0.0802, 0.0018
CMYK	0.69, 0.08, 0.00, 0.00
HSL	187°, 99%, 65%
HSV	187°, 69%, 100%
XYZ	50.7306, 67.9871, 104.6762
YIQ	190.3370, -99.9920, -27.0640

Conversions

Conversions Part 2

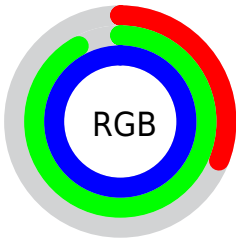
Format	Color
RYB	78, 161, 255
Decimal	5172223
CIELab	86.00, -34.07, -21.53
CIELCh	86, 40.303, 212.287
Yxy	67.9871, 0.2271, 0.3043
Android (android.graphics.Color)	4283362303 (0xFF4EEBFF)
YUV	190.3370, 31.8789, -98.5195
Hunter-Lab	82.4543, -34.4716, -17.5510

Details

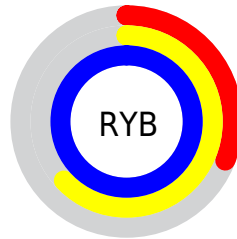
The CIELCh color **86, 40.303, 212.287** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **62, 72.081, 36.005**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **67, 36.995, 213.474** is the 20% darker color. If you saturate the color by 10%, you get **85, 42.514, 213.563**, and if you desaturate by 10%, it is **87, 37.031, 211.336**.

Distribution



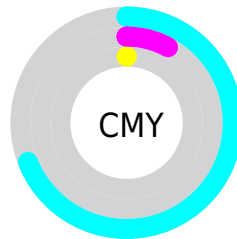
- Red (31%)
- Green (92%)
- Blue (100%)



- Red (31%)
- Yellow (63%)
- Blue (100%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 40.303, 212.287 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, 40.303, 212.287 by changing the saturation by 10% instead.

 86, 40.303,
212.287


 86, 40.303,
212.287


 100, 40.303,
212.287


 76, 40.303,
212.287

 66, 40.303,
212.287

 56, 40.303,
212.287

 46, 40.303,
212.287

 36, 40.303,
212.287

 26, 40.303,
212.287

 16, 40.303,

212.287

■ 6, 40.303, 212.287

■ 0, 40.303, 212.287

■ 86, 40.303,
212.287

■ 86, 40.303,
212.287

■ 85, 42.514,
213.563

■ 87, 37.031,
211.336

■ 84, 43.714,
215.211

■ 89, 32.726,
210.665

■ 83, 44.087,
217.236

■ 91, 27.468,
210.227

■ 83, 44.104,
217.405

■ 93, 21.373,
209.981

■ 95, 14.571,

209.896

■ 98, 7.193, 209.965

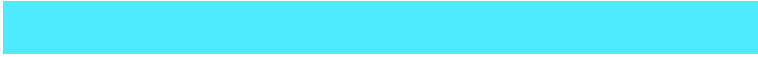
100, 0.130, 73.233

100, 0.217,
109.805

Harmonies

Complementary

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



86, 40.303, 212.287



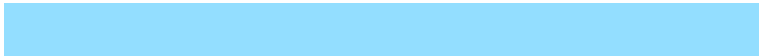
62, 72.081, 36.005

Rectangle

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



86, 40.303, 212.287



86, 40.303, 262.287



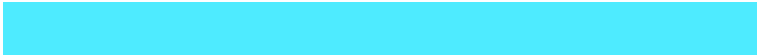
86, 40.303, 32.287



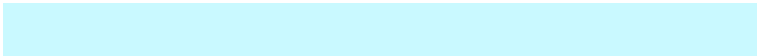
86, 40.303, 82.287

Sweetspot

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



86, 40.302, 212.286



95, 15.861, 209.901



89, 96.239, 140.423



50, 10.633, 209.916



0, 0.000, 0.000



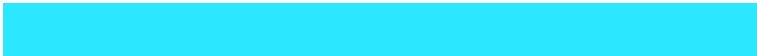
53, 0.007, 296.813

Same Dimension

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



86, 40.302, 212.286



84, 43.142, 214.144



62, 60.200, 281.154



52, 4.446, 209.960



64, 35.613, 216.999



21, 16.537, 214.212

Inverse Universe

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



64, 92.667, 331.760



61, 101.883, 332.511



80, 63.687, 75.662



50, 8.378, 328.219



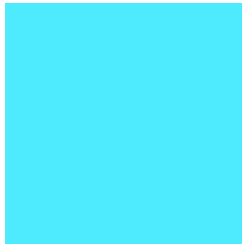
44, 85.139, 333.350



12, 39.589, 332.666

Previews

White Background



This preview shows how the CIE LCh color 86, 40.303, 212.287 looks on a white background.

Color Contrast Check

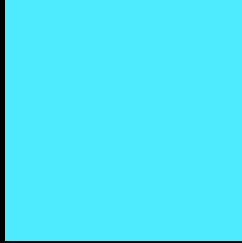
Large Text (above 18pt) WCAG AA × Fail

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, 40.303, 212.287 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, 40.303, 212.287

Background



This preview shows how black text looks on a background with the CIELCh color 86, 40.303, 212.287.



This preview shows how white text looks on a background with the CIELCh color 86, 40.303, 212.287.

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



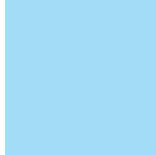


Tritanopia
86, 40.424, 211.441

Trichromacy



Original Color
86, 40.430, 212.231



Protanomaly
85, 22.057, 235.306



Deuteranomaly
85, 25.241, 249.588

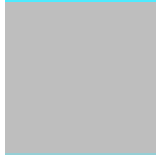


Tritanomaly
86, 40.424, 211.441

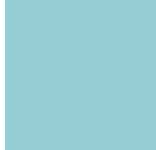
Monochromacy



Original Color
86, 40.430, 212.231



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 19.052, 209.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 40.303, 212.287 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(78, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 235, 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(78, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 40.303, 212.287 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(78, 235, 255) }
```

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

```
.border{ border-color:rgb(78, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 40.303, 212.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 235, 255) }
```

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

```
.background{ background-color: rgb(78, 235,  
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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