

Converting Colors

CIELCh(86, 37.333, 197.023)

Have a look what the booklet for
CIELCh(86, 37.333, 197.023)
contains.

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Color

CIElCh(86, 37.220, 197.812)

Conversions

Conversions Part 1

Format	Color
Hex	67EAEB
RGB	103, 234, 235
RGB Percent	40%, 92%, 92%
CMY	0.5944, 0.0809, 0.0770
CMYK	0.56, 0.00, 0.00, 0.08
HSL	180°, 77%, 66%
HSV	180°, 56%, 92%
XYZ	50.2203, 67.9871, 89.3548
YIQ	194.9450, -78.3970, -27.4610

Conversions

Conversions Part 2

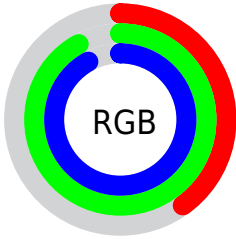
Format	Color
RYB	103, 169, 235
Decimal	6810347
CIELab	86.00, -35.44, -11.39
CIELCh	86, 37.220, 197.812
Yxy	67.9871, 0.2420, 0.3276
Android (android.graphics.Color)	4285000427 (0xFF67EAEB)
YUV	194.9450, 19.7471, -80.6358
Hunter-Lab	82.4543, -35.5763, -6.5339

Details

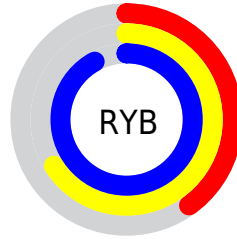
The CIELCh color **86, 37.220, 197.812** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **61, 56.757, 27.008**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **66, 37.337, 197.325** is the 20% darker color. If you saturate the color by 10%, you get **85, 41.051, 197.628**, and if you desaturate by 10%, it is **87, 32.377, 198.069**.

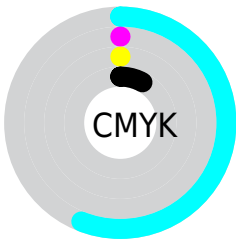
Distribution



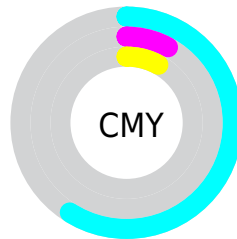
- Red (40%)
- Green (92%)
- Blue (92%)



- Red (40%)
- Yellow (66%)
- Blue (92%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (59%)
- Magenta (8%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 37.220, 197.812 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, 37.220, 197.812 by changing the saturation by 10% instead.


 86, 37.220,
197.812


 86, 37.220,
197.812


 100, 37.220,
197.812


 76, 37.220,
197.812

 66, 37.220,
197.812

 56, 37.220,
197.812

 46, 37.220,
197.812

 36, 37.220,
197.812

 26, 37.220,
197.812

 16, 37.220,

197.812

■ 6, 37.220, 197.812

■ 0, 37.220, 197.812

■ 86, 37.220,
197.812

■ 86, 37.220,
197.812

■ 85, 41.051,
197.628

■ 87, 32.377,
198.069

■ 85, 43.838,
197.526

■ 88, 26.606,
198.401

■ 85, 45.607,
197.500

■ 89, 20.022,
198.802

■ 84, 46.464,
197.546

■ 91, 12.756,
199.269

■ 84, 46.654,

■ 92, 4.943, 199.844

197.575

■ 94, 3.287, 20.064

■ 95, 6.973, 20.828

■ 95, 6.911, 21.584

■ 95, 6.850, 22.352

Harmonies

Complementary

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



86, 37.220, 197.812



61, 56.757, 27.008

Rectangle

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



86, 37.220, 197.812



86, 37.220, 247.812



86, 37.220, 17.812



86, 37.220, 67.812

Sweetspot

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



86, 37.220, 197.810



97, 14.365, 199.218



84, 81.000, 139.634



51, 9.548, 199.120



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, 37.220, 197.810



92, 44.041, 197.612



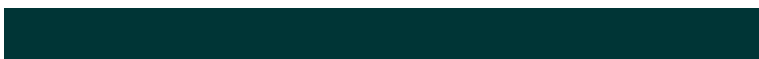
68, 39.520, 266.828



48, 4.584, 199.625



66, 38.336, 197.555



19, 16.442, 197.383

Inverse Universe

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



65, 79.908, 327.531



66, 97.565, 327.942



74, 46.577, 68.323



46, 8.414, 325.144



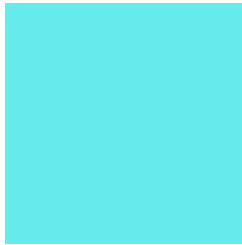
43, 88.839, 328.533



9, 38.076, 328.489

Previews

White Background



This preview shows how the CIE LCh color 86, 37.220, 197.812 looks on a white background.

Color Contrast Check

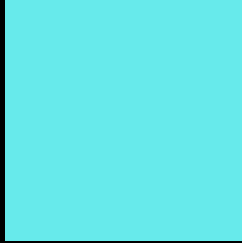
Large Text (above 18pt) WCAG AA × Fail

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, 37.220, 197.812 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, 37.220, 197.812

Background



This preview shows how black text looks on a background with the CIELCh color 86, 37.220, 197.812.

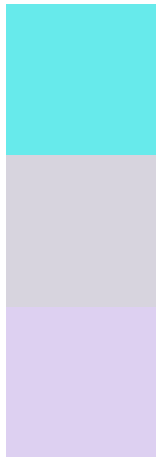


This preview shows how white text looks on a background with the CIELCh color 86, 37.220, 197.812.

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, 37.220, 197.812

Protanopia
85, 5.385, 302.051

Deuteranopia
85, 18.011, 305.997



Tritanopia
86, 34.911, 214.113

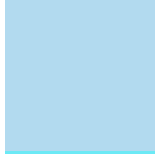
Trichromacy



Original Color
86, 37.220, 197.812



Protanomaly
85, 15.698, 212.065



Deuteranomaly
85, 16.838, 239.968

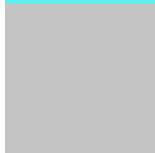


Tritanomaly
86, 35.401, 207.564

Monochromacy



Original Color
86, 37.220, 197.812



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.980, 200.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 37.220, 197.812 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(103, 234, 235)` looks like.

```
.text, #text, p{  
    color:rgb(103, 234, 235)  
}
```

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(103, 234, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 234, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 37.220, 197.812 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(103, 234, 235) }
```

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

```
.border{ border-color:rgb(103, 234, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 234, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 234, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 234, 235);  
box-shadow:4px 4px 4px 4px rgb(103, 234,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 37.220, 197.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 234, 235) }
```

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

```
.background{ background-color: rgb(103,  
234, 235) }
```

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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