

Converting Colors

CIELCh(85, 37.701, 192.519)

Have a look what the booklet for
CIELCh(85, 37.701, 192.519)
contains.

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Color

CIELCh(85, 37.884, 192.076)

Conversions

Conversions Part 1

Format	Color
Hex	66E8E2
RGB	102, 232, 226
RGB Percent	40%, 91%, 89%
CMY	0.6001, 0.0903, 0.1138
CMYK	0.56, 0.00, 0.03, 0.09
HSL	177°, 74%, 65%
HSV	177°, 56%, 91%
XYZ	48.0459, 66.0070, 82.1371
YIQ	192.4460, -75.5540, -29.4260

Conversions

Conversions Part 2

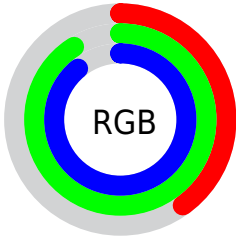
Format	Color
RYB	102, 169, 232
Decimal	6744290
CIELab	85.00, -37.05, -7.93
CIELCh	85, 37.884, 192.076
Yxy	66.0070, 0.2449, 0.3364
Android (android.graphics.Color)	4284934370 (0xFF66E8E2)
YUV	192.4460, 16.5421, -79.3211
Hunter-Lab	81.2447, -36.6182, -3.0700

Details

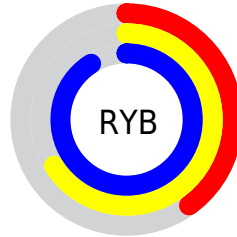
The CIELCh color **85, 37.884, 192.076** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **60, 55.408, 23.303**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **65, 37.921, 192.106** is the 20% darker color. If you saturate the color by 10%, you get **84, 41.962, 191.494**, and if you desaturate by 10%, it is **86, 32.823, 192.665**.

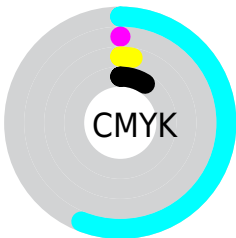
Distribution



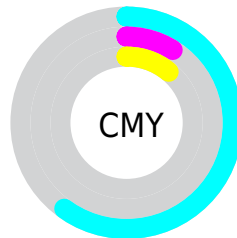
- Red (40%)
- Green (91%)
- Blue (89%)



- Red (40%)
- Yellow (66%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (60%)
- Magenta (9%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 37.884, 192.076 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 85, 37.884, 192.076 by changing the saturation by 10% instead.


 85, 37.884,
192.076


 85, 37.884,
192.076


 100, 37.884,
192.076


 75, 37.884,
192.076

 65, 37.884,
192.076

 55, 37.884,
192.076

 45, 37.884,
192.076

 35, 37.884,
192.076

 25, 37.884,
192.076

 15, 37.884,

192.076

■ 5, 37.884, 192.076

■ 0, 37.884, 192.076

■ 85, 37.884,
192.076

■ 85, 37.884,
192.076

■ 84, 41.962,
191.494

■ 86, 32.823,
192.665

■ 84, 45.014,
190.913

■ 87, 26.871,
193.272

■ 84, 47.059,
190.321

■ 88, 20.148,
193.901

■ 83, 48.192,
189.703

■ 89, 12.790,
194.557

■ 83, 48.494,

■ 91, 4.933, 195.289

189.454

■ 93, 3.295, 15.649

■ 94, 8.348, 14.652

■ 94, 8.406, 10.925

■ 94, 8.499, 7.264

Harmonies

Complementary

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



85, 37.884, 192.076



60, 55.408, 23.303

Rectangle

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



85, 37.884, 192.076



85, 37.884, 242.076



85, 37.884, 12.076



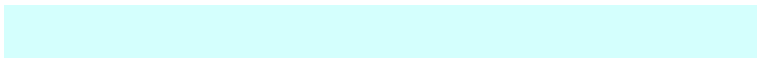
85, 37.884, 62.076

Sweetspot

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



85, 37.884, 192.074



97, 14.592, 194.487



83, 79.020, 138.721



51, 9.705, 194.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 37.884, 192.074



92, 45.567, 191.418



69, 36.618, 260.901



47, 4.562, 195.020



66, 39.830, 189.566



18, 16.606, 190.583

Inverse Universe

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



60, 55.408, 23.303



60, 72.625, 26.623



72, 45.707, 63.422



45, 4.820, 16.199



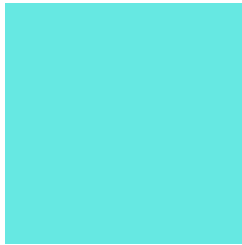
37, 78.005, 38.095



6, 26.957, 19.856

Previews

White Background



This preview shows how the CIE LCh color 85, 37.884, 192.076 looks on a white background.

Color Contrast Check

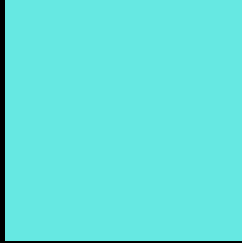
Large Text (above 18pt) WCAG AA × Fail

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 85, 37.884, 192.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

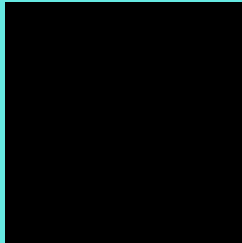
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 37.884, 192.076

Background



This preview shows how black text looks on a background with the CIELCh color 85, 37.884, 192.076.

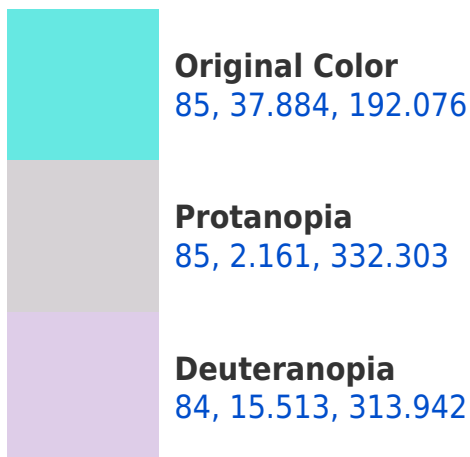


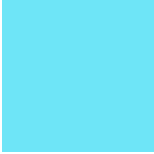
This preview shows how white text looks on a background with the CIELCh color 85, 37.884, 192.076.

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
85, 34.261, 213.561

Trichromacy



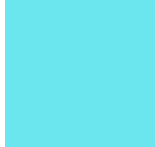
Original Color
85, 37.884, 192.076



Protanomaly
84, 15.311, 198.363



Deuteranomaly
84, 14.451, 232.071

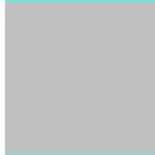


Tritanomaly
85, 35.045, 205.022

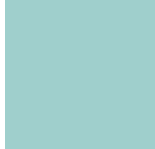
Monochromacy



Original Color
85, 37.884, 192.076



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 16.591, 192.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 37.884, 192.076 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(102, 232, 226)` looks like.

```
.text, #text, p{  
    color:rgb(102, 232, 226)  
}
```

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(102, 232, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 232, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 37.884, 192.076 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(102, 232, 226) }
```

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

```
.border{ border-color:rgb(102, 232, 226) }
```

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

Here you see how a box with a 4 pixel rgb(102, 232, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 232, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 232, 226);  
box-shadow:4px 4px 4px 4px rgb(102, 232,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 37.884, 192.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 232, 226) }
```

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

```
.background{ background-color: rgb(102,  
232, 226) }
```

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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