

Converting Colors

CIELCh(80, 80.044, 200.109)

Have a look what the booklet for
CIELCh(80, 80.044, 200.109)
contains.

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Color

CIELCh(85, 45.306, 206.785)

Conversions

Conversions Part 1

Format	Color
Hex	0AEEAF9
RGB	10, 234, 249
RGB Percent	4%, 92%, 98%
CMY	0.9606, 0.0807, 0.0219
CMYK	0.96, 0.06, 0.00, 0.02
HSL	184°, 96%, 51%
HSV	184°, 96%, 98%
XYZ	46.8263, 66.0070, 100.2296
YIQ	168.7340, -138.3190, -42.8230

Conversions

Conversions Part 2

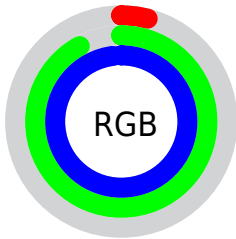
Format	Color
RYB	10, 126, 249
Decimal	715513
CIELab	85.00, -40.44, -20.42
CIELCh	85, 45.306, 206.785
Yxy	66.0070, 0.2198, 0.3098
Android (android.graphics.Color)	4278905593 (0xFF0AEAF9)
YUV	168.7340, 39.5711, -139.2097
Hunter-Lab	81.2447, -39.2978, -16.2733

Details

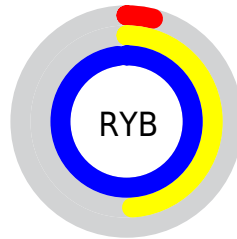
The CIELCh color **85, 45.306, 206.785** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 99.788, 39.851**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **66, 36.892, 209.860** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.390, 207.198**, and if you desaturate by 10%, it is **86, 44.684, 205.862**.

Distribution



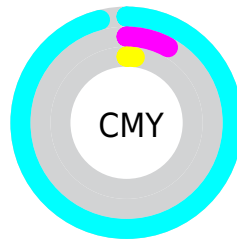
- Red (4%)
- Green (92%)
- Blue (98%)



- Red (4%)
- Yellow (49%)
- Blue (98%)



- Cyan (96%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)





- Cyan (96%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.306, 206.785 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, 45.306, 206.785 by changing the saturation by 10% instead.


 85, 45.306,
206.785


 85, 45.306,
206.785


 100, 45.306,
206.785


 75, 45.306,
206.785

 65, 45.306,
206.785

 55, 45.306,
206.785

 45, 45.306,
206.785

 35, 45.306,
206.785

 25, 45.306,
206.785

 15, 45.306,

206.785

■ 5, 45.306, 206.785

■ 0, 45.306, 206.785

■ 85, 45.306,
206.785

■ 85, 45.306,
206.785

■ 85, 45.390,
207.198

■ 86, 44.684,
205.862

■ 86, 43.108,
205.157

■ 87, 40.474,
204.658

■ 88, 36.759,
204.346

■ 90, 32.007,

204.198

■ 91, 26.312,
204.193

■ 93, 19.796,
204.309

■ 95, 12.594,
204.533

■ 97, 4.841, 204.901

Harmonies

Complementary

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



85, 45.306, 206.785



53, 99.788, 39.851

Rectangle

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



85, 45.306, 206.785



85, 45.306, 256.785



85, 45.306, 26.785



85, 45.306, 76.785

Sweetspot

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



85, 45.305, 206.784



94, 22.240, 204.261



86, 115.930, 136.487



49, 14.994, 204.213



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, 45.305, 206.784



86, 46.155, 207.212



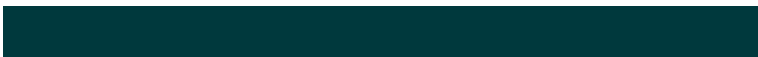
52, 76.454, 287.750



51, 4.572, 204.743



66, 36.851, 207.000



21, 16.822, 205.555

Inverse Universe

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



58, 107.621, 330.824



59, 109.917, 330.950



69, 80.947, 65.323



49, 8.535, 326.687



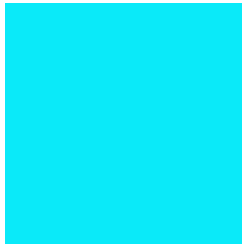
44, 87.730, 330.897



11, 39.940, 330.541

Previews

White Background



This preview shows how the CIE LCh color 85, 45.306, 206.785 looks on a white background.

Color Contrast Check

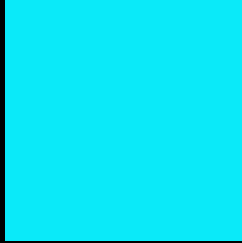
Large Text (above 18pt) WCAG AA × Fail

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, 45.306, 206.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

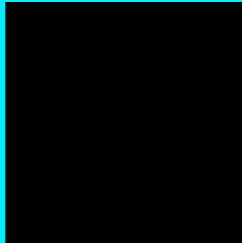
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.306, 206.785

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.306, 206.785.



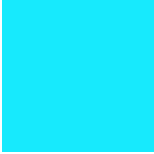
This preview shows how white text looks on a background with the CIELCh color 85, 45.306, 206.785.

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



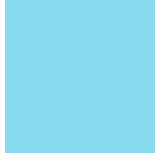


Tritanopia
85, 44.701, 209.797

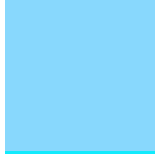
Trichromacy



Original Color
85, 45.244, 206.802



Protanomaly
83, 26.747, 222.653



Deuteranomaly
83, 29.731, 239.761

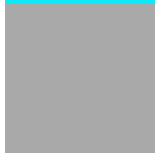


Tritanomaly
85, 44.903, 209.016

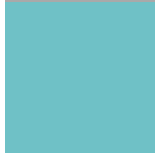
Monochromacy



Original Color
85, 45.244, 206.802



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 25.845, 203.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.306, 206.785 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(10, 234, 249)` looks like.

```
.text, #text, p{  
    color:rgb(10, 234, 249)  
}
```

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(10, 234, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 234, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.306, 206.785 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(10, 234, 249) }
```

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

```
.border{ border-color:rgb(10, 234, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 234, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 234, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 234, 249);  
box-shadow:4px 4px 4px 4px rgb(10, 234,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.306, 206.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 234, 249) }
```

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

```
.background{ background-color: rgb(10, 234,  
249) }
```

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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