

Converting Colors

CIELCh(85, 48.259, 215.103)

Have a look what the booklet for
CIELCh(85, 48.259, 215.103)
contains.

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Color

CIELCh(85, 45.405, 210.251)

Conversions

Conversions Part 1

Format	Color
Hex	00EAFE
RGB	0, 234, 254
RGB Percent	0%, 92%, 100%
CMY	1.0000, 0.0820, 0.0036
CMYK	1.00, 0.08, 0.00, 0.00
HSL	185°, 100%, 50%
HSV	185°, 100%, 100%
XYZ	47.2626, 66.0070, 104.0762
YIQ	166.3140, -145.8840, -43.3880

Conversions

Conversions Part 2

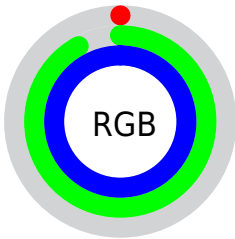
Format	Color
RYB	0, 122, 254
Decimal	60158
CIELab	85.00, -39.22, -22.87
CIELCh	85, 45.405, 210.251
Yxy	66.0070, 0.2175, 0.3037
Android (android.graphics.Color)	4278250238 (0xFF00EAFE)
YUV	166.3140, 43.2292, -145.8574
Hunter-Lab	81.2447, -38.3391, -19.0804

Details

The CIELCh color **85, 45.405, 210.251** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 103.216, 40.640**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **66, 36.842, 213.565** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.269, 210.299**, and if you desaturate by 10%, it is **86, 44.953, 208.989**.

Distribution



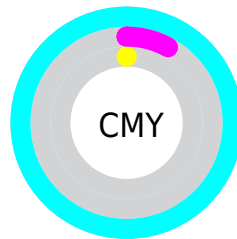
- Red (0%)
- Green (92%)
- Blue (100%)



- Red (0%)
- Yellow (48%)
- Blue (100%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.405, 210.251 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, 45.405, 210.251 by changing the saturation by 10% instead.


 85, 45.405,
210.251


 85, 45.405,
210.251


 100, 45.405,
210.251


 75, 45.405,
210.251

 65, 45.405,
210.251

 55, 45.405,
210.251

 45, 45.405,
210.251

 35, 45.405,
210.251

 25, 45.405,
210.251

 15, 45.405,

210.251

■ 5, 45.405, 210.251

■ 0, 45.405, 210.251

■ 85, 45.405,
210.251

■ 85, 45.405,
210.251

■ 85, 45.269,
210.299

■ 86, 44.953,
208.989

■ 87, 43.811,
207.929

■ 88, 41.634,
207.131

■ 89, 38.367,
206.568

■ 90, 34.034,

206.212

■ 92, 28.711,
206.032

■ 93, 22.512,
206.002

■ 95, 15.570,
206.099

■ 97, 8.023, 206.321

Harmonies

Complementary

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



85, 45.405, 210.251



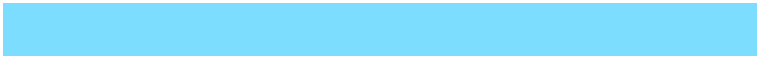
54, 103.216, 40.640

Rectangle

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



85, 45.405, 210.251



85, 45.405, 260.251



85, 45.405, 30.251



85, 45.405, 80.251

Sweetspot

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



85, 45.269, 210.299



94, 22.578, 206.002



87, 118.314, 136.408



49, 15.132, 205.998



0, 0.000, 0.000



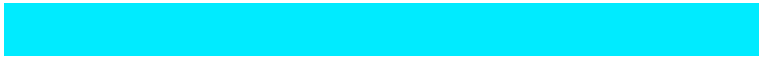
53, 0.007, 296.813

Same Dimension

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



85, 45.269, 210.299



85, 45.393, 210.302



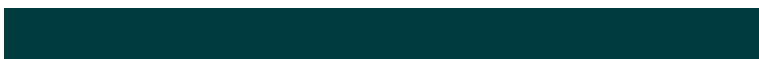
50, 83.701, 290.798



52, 4.581, 206.337



66, 36.609, 210.038



22, 17.003, 208.236

Inverse Universe

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



59, 108.218, 331.707



59, 108.515, 331.708



70, 83.321, 65.590



50, 8.583, 327.159



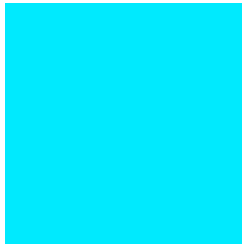
45, 87.497, 331.643



12, 40.554, 331.201

Previews

White Background



This preview shows how the CIE LCh color 85, 45.405, 210.251 looks on a white background.

Color Contrast Check

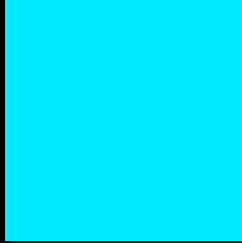
Large Text (above 18pt) WCAG AA × Fail

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, 45.405, 210.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

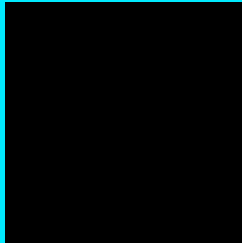
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.405, 210.251

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.405, 210.251.

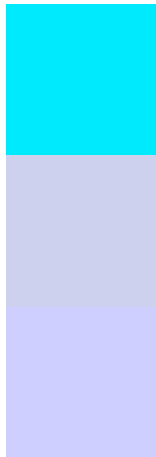


This preview shows how white text looks on a background with the CIELCh color 85, 45.405, 210.251.

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

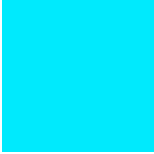
85, 45.257, 210.308

Protanopia

84, 14.778, 287.466

Deuteranopia

84, 25.315, 291.567



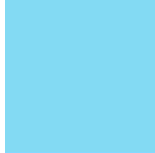
Tritanopia

85, 45.284, 209.593

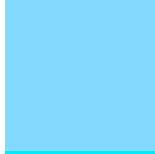
Trichromacy



Original Color
85, 45.257, 210.308



Protanomaly
83, 28.432, 225.857



Deuteranomaly
83, 31.057, 238.833

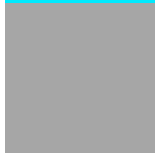


Tritanomaly
85, 45.284, 209.593

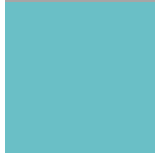
Monochromacy



Original Color
85, 45.257, 210.308



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 26.507, 205.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.405, 210.251 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(0, 234, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 254)  
}
```

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(0, 234, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.405, 210.251 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(0, 234, 254) }
```

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

```
.border{ border-color:rgb(0, 234, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.405, 210.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 254) }
```

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

```
.background{ background-color: rgb(0, 234,  
254) }
```

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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