

Converting Colors

CIELCh(85, 45.092, 210.905)

Have a look what the booklet for
CIELCh(85, 45.092, 210.905)
contains.

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Color

CIELCh(85, 45.113, 211.071)

Conversions

Conversions Part 1

Format	Color
Hex	05EAFF
RGB	5, 234, 255
RGB Percent	2%, 92%, 100%
CMY	0.9802, 0.0829, 0.0006
CMYK	0.98, 0.08, 0.00, 0.00
HSL	185°, 100%, 51%
HSV	185°, 98%, 100%
XYZ	47.4711, 66.0070, 104.7245
YIQ	167.9230, -143.2250, -42.0170

Conversions

Conversions Part 2

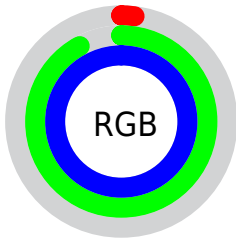
Format	Color
R _{YB}	5, 125, 255
Decimal	387839
CIE Lab	85.00, -38.64, -23.28
CIE LCh	85, 45.113, 211.071
Yxy	66.0070, 0.2176, 0.3025
Android (android.graphics.Color)	4278577919 (0xFF05EAFF)
YUV	167.9230, 42.9290, -142.8835
Hunter-Lab	81.2447, -37.8812, -19.5536

Details

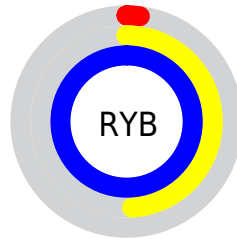
The CIELCh color **85, 45.113, 211.071** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 102.203, 40.418**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **66, 36.851, 214.493** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.146, 211.361**, and if you desaturate by 10%, it is **86, 44.688, 209.690**.

Distribution



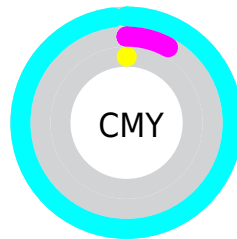
- Red (2%)
- Green (92%)
- Blue (100%)



- Red (2%)
- Yellow (49%)
- Blue (100%)



- Cyan (98%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.113, 211.071 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, 45.113, 211.071 by changing the saturation by 10% instead.


 85, 45.113,
211.071


 85, 45.113,
211.071


 100, 45.113,
211.071


 75, 45.113,
211.071

 65, 45.113,
211.071

 55, 45.113,
211.071

 45, 45.113,
211.071

 35, 45.113,
211.071

 25, 45.113,
211.071

 15, 45.113,

211.071

■ 5, 45.113, 211.071

■ 0, 45.113, 211.071

■ 85, 45.113,
211.071

■ 85, 45.113,
211.071

■ 85, 45.146,
211.361

■ 86, 44.688,
209.690

■ 87, 43.357,
208.595

■ 88, 40.975,
207.773

■ 89, 37.504,
207.195

■ 90, 32.979,

206.828

■ 92, 27.485,
206.640

■ 94, 21.143,
206.604

■ 96, 14.087,
206.697

■ 98, 6.454, 206.927

Harmonies

Complementary

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



85, 45.113, 211.071



54, 102.203, 40.418

Rectangle

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



85, 45.113, 211.071



85, 45.113, 261.071



85, 45.113, 31.071



85, 45.113, 81.071

Sweetspot

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



85, 45.112, 211.070



94, 21.808, 206.601



88, 117.588, 136.671



49, 14.702, 206.606



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, 45.112, 211.070



85, 45.165, 211.362



50, 84.700, 291.283



52, 4.559, 206.880



65, 36.426, 211.077



22, 16.921, 209.129

Inverse Universe

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



59, 107.811, 331.887



59, 108.051, 331.968



72, 82.450, 67.687



50, 8.551, 327.319



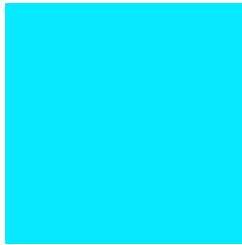
45, 87.129, 331.898



12, 40.403, 331.420

Previews

White Background



This preview shows how the CIE LCh color 85, 45.113, 211.071 looks on a white background.

Color Contrast Check

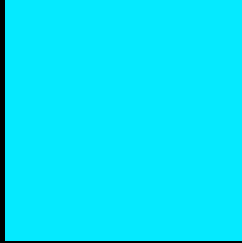
Large Text (above 18pt) WCAG AA × Fail

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, 45.113, 211.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

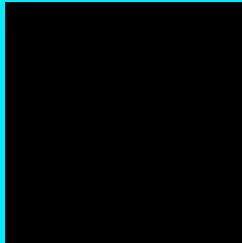
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.113, 211.071

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.113, 211.071.

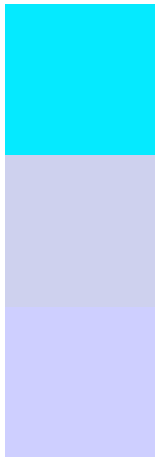


This preview shows how white text looks on a background with the CIELCh color 85, 45.113, 211.071.

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

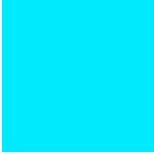
85, 45.133, 211.064

Protanopia

84, 15.303, 287.654

Deuteranopia

84, 25.315, 291.567



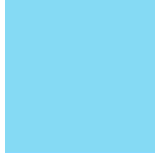
Tritanopia

85, 45.284, 209.593

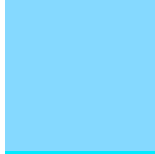
Trichromacy



Original Color
85, 45.133, 211.064



Protanomaly
83, 28.184, 227.399



Deuteranomaly
83, 30.709, 239.409

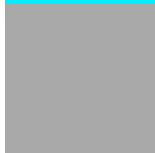


Tritanomaly
85, 45.216, 210.323

Monochromacy



Original Color
85, 45.133, 211.064



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 26.023, 207.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.113, 211.071 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(5, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(5, 234, 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(5, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.113, 211.071 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(5, 234, 255) }
```

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

```
.border{ border-color:rgb(5, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(5, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.113, 211.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 234, 255) }
```

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

```
.background{ background-color: rgb(5, 234,  
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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