

Converting Colors

CIELCh(85, 45.304, 210.707)

Have a look what the booklet for
CIELCh(85, 45.304, 210.707)
contains.

CIELCh(85, 45.236, 211.025)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 45.236, 211.025)

Conversions

Conversions Part 1

Format	Color
Hex	00EAFF
RGB	0, 234, 255
RGB Percent	0%, 92%, 100%
CMY	1.0000, 0.0827, 0.0003
CMYK	1.00, 0.08, 0.00, 0.00
HSL	185°, 100%, 50%
HSV	185°, 100%, 100%
XYZ	47.4265, 66.0070, 104.7761
YIQ	166.4280, -146.2050, -43.0770

Conversions

Conversions Part 2

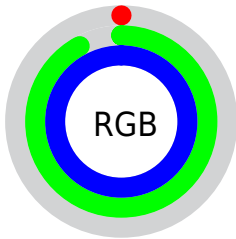
Format	Color
RYB	0, 122, 255
Decimal	60159
CIELab	85.00, -38.76, -23.32
CIELCh	85, 45.236, 211.025
Yxy	66.0070, 0.2173, 0.3025
Android (android.graphics.Color)	4278250239 (0xFF00EAFF)
YUV	166.4280, 43.6660, -145.9574
Hunter-Lab	81.2447, -37.9790, -19.5912

Details

The CIELCh color **85, 45.236, 211.025** 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, 103.407, 40.681**, 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, 36.851, 214.493** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.224, 211.029**, and if you desaturate by 10%, it is **86, 44.913, 209.643**.

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, 45.236, 211.025 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, 45.236, 211.025 by changing the saturation by 10% instead.


 85, 45.236,
211.025


 85, 45.236,
211.025


 100, 45.236,
211.025


 75, 45.236,
211.025

 65, 45.236,
211.025

 55, 45.236,
211.025

 45, 45.236,
211.025

 35, 45.236,
211.025

 25, 45.236,
211.025

 15, 45.236,

211.025

■ 5, 45.236, 211.025

■ 0, 45.236, 211.025

■ 85, 45.236,
211.025

■ 85, 45.236,
211.025

■ 85, 45.224,
211.029

■ 86, 44.913,
209.643

■ 87, 43.775,
208.520

■ 88, 41.603,
207.669

■ 89, 38.341,
207.065

■ 90, 34.011,

206.674

■ 92, 28.692,
206.466

■ 94, 22.497,
206.412

■ 96, 15.560,
206.490

■ 98, 8.018, 206.695

Harmonies

Complementary

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



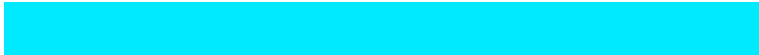
85, 45.236, 211.025



54, 103.407, 40.681

Rectangle

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



85, 45.236, 211.025



85, 45.236, 261.025



85, 45.236, 31.025



85, 45.236, 81.025

Sweetspot

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



85, 45.224, 211.029



94, 22.503, 206.412



88, 118.615, 136.407



49, 15.082, 206.418



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, 45.224, 211.029



85, 45.235, 211.029



50, 83.927, 290.806



52, 4.566, 206.710



65, 36.482, 210.750



22, 16.946, 208.849

Inverse Universe

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



59, 108.169, 331.886



59, 108.196, 331.886



70, 83.532, 65.583



50, 8.561, 327.269



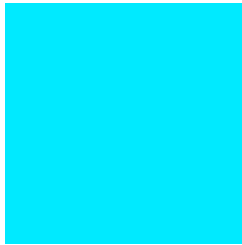
45, 87.244, 331.818



12, 40.450, 331.352

Previews

White Background



This preview shows how the CIE LCh color 85, 45.236, 211.025 looks on a white background.

Color Contrast Check

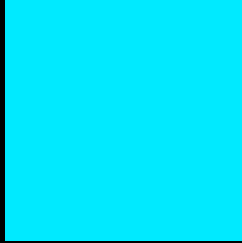
Large Text (above 18pt) WCAG AA × Fail

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, 45.236, 211.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

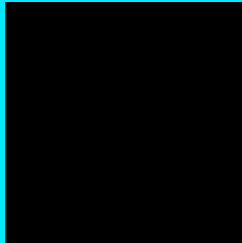
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.236, 211.025

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.236, 211.025.

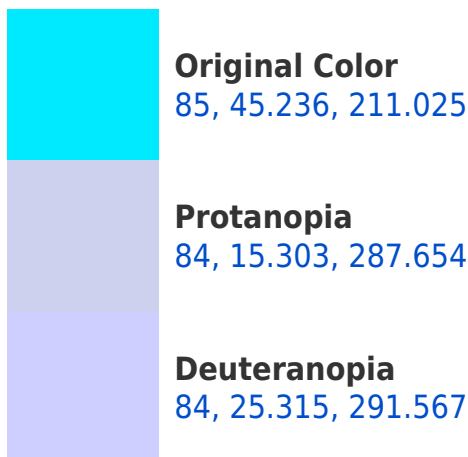


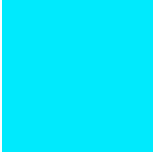
This preview shows how white text looks on a background with the CIELCh color 85, 45.236, 211.025.

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





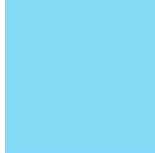
Tritanopia

85, 45.284, 209.593

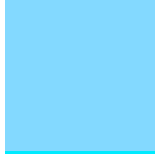
Trichromacy



Original Color
85, 45.236, 211.025



Protanomaly
83, 28.599, 226.909



Deuteranomaly
83, 31.057, 238.833

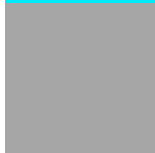


Tritanomaly
85, 45.257, 210.308

Monochromacy



Original Color
85, 45.236, 211.025



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, 45.236, 211.025 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.236, 211.025 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, 255) }
```

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

```
.border{ border-color:rgb(0, 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(0, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.236, 211.025 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, 255) }
```

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

```
.background{ background-color: rgb(0, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor