

Converting Colors

CIELCh(85, 45.620, 205.352)

Have a look what the booklet for
CIELCh(85, 45.620, 205.352)
contains.

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Color

CIELCh(85, 45.666, 205.305)

Conversions

Conversions Part 1

Format	Color
Hex	01EBF8
RGB	1, 235, 248
RGB Percent	0%, 92%, 97%
CMY	0.9964, 0.0796, 0.0286
CMYK	1.00, 0.05, 0.00, 0.03
HSL	183°, 99%, 49%
HSV	183°, 100%, 97%
XYZ	46.5284, 66.0070, 98.8488
YIQ	166.5160, -143.6370, -45.5650

Conversions

Conversions Part 2

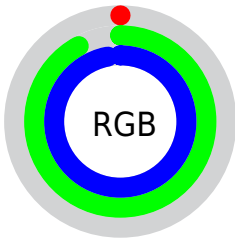
Format	Color
R_{YB}	1, 121, 248
Decimal	125944
CIE _{Lab}	85.00, -41.28, -19.52
CIE _{LCh}	85, 45.666, 205.305
Yxy	66.0070, 0.2201, 0.3123
Android (android.graphics.Color)	4278316024 (0xFF01EBF8)
YUV	166.5160, 40.1716, -145.1575
Hunter-Lab	81.2447, -39.9523, -15.2657

Details

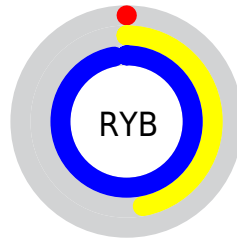
The CIELCh color **85, 45.666, 205.305** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 101.449, 40.317**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **67, 37.125, 207.954** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.674, 205.335**, and if you desaturate by 10%, it is **85, 45.265, 204.504**.

Distribution



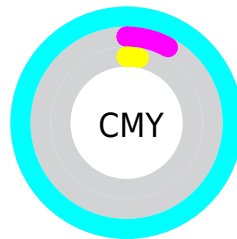
- Red (0%)
- Green (92%)
- Blue (97%)



- Red (0%)
- Yellow (47%)
- Blue (97%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (8%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.666, 205.305 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, 45.666, 205.305 by changing the saturation by 10% instead.


 85, 45.666,
205.305


 85, 45.666,
205.305


 100, 45.666,
205.305


 75, 45.666,
205.305

 65, 45.666,
205.305

 55, 45.666,
205.305

 45, 45.666,
205.305

 35, 45.666,
205.305

 25, 45.666,
205.305

 15, 45.666,

205.305

■ 5, 45.666, 205.305

■ 0, 45.666, 205.305

■ 85, 45.666,
205.305

■ 85, 45.666,
205.305

■ 85, 45.674,
205.335

■ 85, 45.265,
204.504

■ 86, 44.026,
203.877

■ 87, 41.757,
203.433

■ 88, 38.409,
203.161

■ 89, 34.003,

203.041

■ 90, 28.614,
203.057

■ 92, 22.355,
203.190

■ 94, 15.359,
203.425

■ 95, 7.761, 203.768

Harmonies

Complementary

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



85, 45.666, 205.305



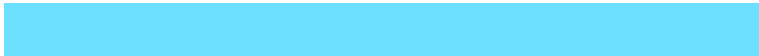
52, 101.449, 40.317

Rectangle

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



85, 45.666, 205.305



85, 45.666, 255.305



85, 45.666, 25.305



85, 45.666, 75.305

Sweetspot

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



85, 45.665, 205.304



94, 23.135, 203.182



85, 116.281, 136.312



50, 15.507, 203.115



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, 45.665, 205.304



87, 46.686, 205.350



50, 79.113, 289.266



51, 4.616, 203.773



66, 37.271, 205.176



21, 16.997, 203.992

Inverse Universe

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



58, 108.349, 330.477



60, 110.801, 330.490



68, 81.972, 64.248



49, 8.594, 326.399



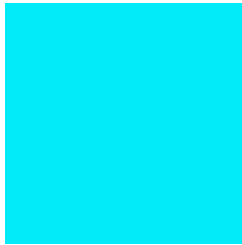
44, 88.423, 330.447



11, 40.216, 330.154

Previews

White Background



This preview shows how the CIE LCh color 85, 45.666, 205.305 looks on a white background.

Color Contrast Check

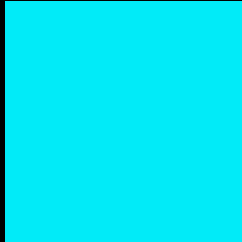
Large Text (above 18pt) WCAG AA × Fail

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, 45.666, 205.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

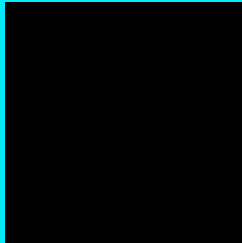
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.666, 205.305

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.666, 205.305.



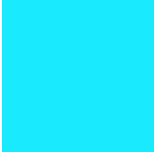
This preview shows how white text looks on a background with the CIELCh color 85, 45.666, 205.305.

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



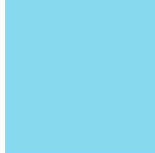


Tritanopia
85, 44.582, 209.839

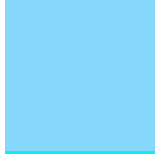
Trichromacy



Original Color
85, 45.708, 205.295



Protanomaly
83, 27.176, 219.726



Deuteranomaly
82, 29.999, 237.932

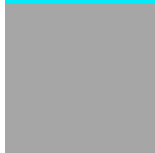


Tritanomaly
85, 44.971, 208.287

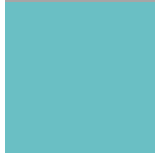
Monochromacy



Original Color
85, 45.708, 205.295



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 26.569, 203.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.666, 205.305 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(1, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 248)  
}
```

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(1, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.666, 205.305 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(1, 235, 248) }
```

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

```
.border{ border-color:rgb(1, 235, 248) }
```

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

Here you see how a box with a 4 pixel rgb(1, 235, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 248);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.666, 205.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 248) }
```

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

```
.background{ background-color: rgb(1, 235,  
248) }
```

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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