

Converting Colors

CIELCh(85, 44.988, 212.239)

Have a look what the booklet for
CIELCh(85, 44.988, 212.239)
contains.

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Color

CIELCh(85, 45.052, 211.095)

Conversions

Conversions Part 1

Format	Color
Hex	08EAFF
RGB	8, 234, 255
RGB Percent	3%, 92%, 100%
CMY	0.9693, 0.0830, 0.0007
CMYK	0.97, 0.08, 0.00, 0.00
HSL	185°, 100%, 52%
HSV	185°, 97%, 100%
XYZ	47.4933, 66.0070, 104.7002
YIQ	168.8200, -141.4370, -41.3810

Conversions

Conversions Part 2

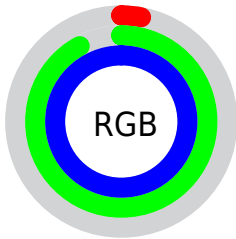
Format	Color
R _Y B	8, 126, 255
Decimal	584447
CIE Lab	85.00, -38.58, -23.27
CIE LCh	85, 45.052, 211.095
Yxy	66.0070, 0.2177, 0.3025
Android (android.graphics.Color)	4278774527 (0xFF08EAFF)
YUV	168.8200, 42.4867, -141.0391
Hunter-Lab	81.2447, -37.8323, -19.5358

Details

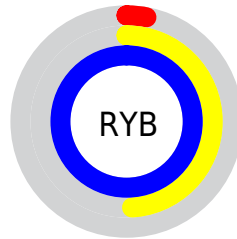
The CIELCh color **85, 45.052, 211.095** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 101.532, 40.306**, and the grayscale version is **69, 0.009, 296.813**.

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, 45.103, 211.552**, and if you desaturate by 10%, it is **86, 44.549, 209.723**.

Distribution



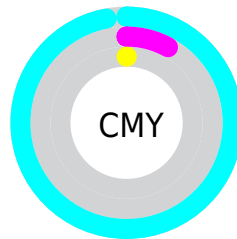
- Red (3%)
- Green (92%)
- Blue (100%)



- Red (3%)
- Yellow (49%)
- Blue (100%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.052, 211.095 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, 45.052, 211.095 by changing the saturation by 10% instead.


 85, 45.052,
211.095


 85, 45.052,
211.095


 100, 45.052,
211.095


 75, 45.052,
211.095

 65, 45.052,
211.095

 55, 45.052,
211.095

 45, 45.052,
211.095

 35, 45.052,
211.095

 25, 45.052,
211.095

 15, 45.052,

211.095

■ 5, 45.052, 211.095

■ 0, 45.052, 211.095

■ 85, 45.052,
211.095

■ 85, 45.052,
211.095

■ 85, 45.103,
211.552

■ 86, 44.549,
209.723

■ 87, 43.110,
208.643

■ 88, 40.612,
207.836

■ 89, 37.026,
207.272

■ 91, 32.395,

206.918

■ 92, 26.808,
206.741

■ 94, 20.387,
206.714

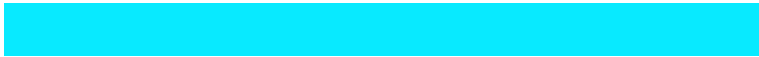
■ 96, 13.269,
206.815

■ 98, 5.587, 207.064

Harmonies

Complementary

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



85, 45.052, 211.095



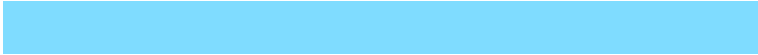
54, 101.532, 40.306

Rectangle

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



85, 45.052, 211.095



85, 45.052, 261.095



85, 45.052, 31.095



85, 45.052, 81.095

Sweetspot

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



85, 45.051, 211.094



94, 21.789, 206.708



88, 117.211, 136.752



49, 14.690, 206.715



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, 45.051, 211.094



85, 45.125, 211.553



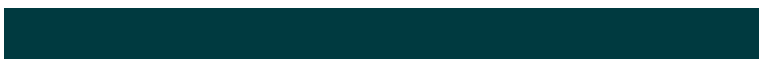
50, 83.676, 290.846



52, 4.555, 206.978



65, 36.394, 211.264



22, 16.907, 209.290

Inverse Universe

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



59, 107.615, 331.888



59, 107.968, 332.014



72, 82.066, 68.013



50, 8.545, 327.347



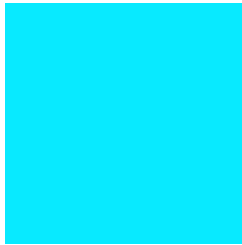
45, 87.063, 331.944



12, 40.377, 331.460

Previews

White Background



This preview shows how the CIE LCh color 85, 45.052, 211.095 looks on a white background.

Color Contrast Check

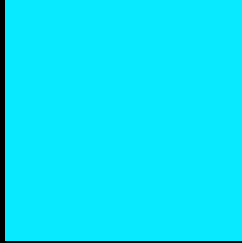
Large Text (above 18pt) WCAG AA × Fail

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, 45.052, 211.095 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, 45.052, 211.095

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.052, 211.095.

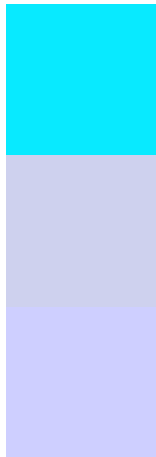


This preview shows how white text looks on a background with the CIELCh color 85, 45.052, 211.095.

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

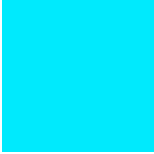
85, 45.072, 211.087

Protanopia

84, 15.303, 287.654

Deuteranopia

84, 25.315, 291.567

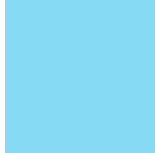


Tritanopia
85, 45.284, 209.593

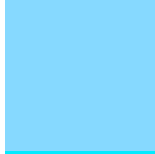
Trichromacy



Original Color
85, 45.072, 211.087



Protanomaly
83, 27.975, 227.652



Deuteranomaly
83, 30.534, 239.705

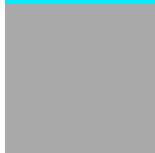


Tritanomaly
85, 45.195, 210.331

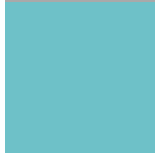
Monochromacy



Original Color
85, 45.072, 211.087



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 26.037, 205.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.052, 211.095 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(8, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.052, 211.095 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(8, 234, 255) }
```

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

```
.border{ border-color:rgb(8, 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(8, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(8, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.052, 211.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 234, 255) }
```

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

```
.background{ background-color: rgb(8, 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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