

Converting Colors

CIELCh(85, 45.441, 207.962)

Have a look what the booklet for
CIELCh(85, 45.441, 207.962)
contains.

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Color

CIELCh(85, 45.358, 208.164)

Conversions

Conversions Part 1

Format	Color
Hex	02EAFB
RGB	2, 234, 251
RGB Percent	1%, 92%, 98%
CMY	0.9917, 0.0812, 0.0145
CMYK	0.99, 0.07, 0.00, 0.01
HSL	184°, 98%, 50%
HSV	184°, 99%, 99%
XYZ	46.9891, 66.0070, 101.7705
YIQ	166.5700, -143.7290, -43.8970

Conversions

Conversions Part 2

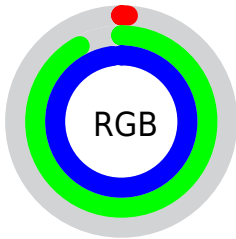
Format	Color
RYB	2, 122, 251
Decimal	191227
CIELab	85.00, -39.99, -21.41
CIELCh	85, 45.358, 208.164
Yxy	66.0070, 0.2188, 0.3073
Android (android.graphics.Color)	4278381307 (0xFF02EAFB)
YUV	166.5700, 41.6240, -144.3279
Hunter-Lab	81.2447, -38.9400, -17.3978

Details

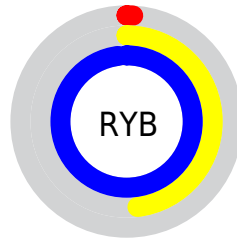
The CIELCh color **85, 45.358, 208.164** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 102.062, 40.384**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **66, 36.867, 210.785** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.374, 208.259**, and if you desaturate by 10%, it is **86, 44.977, 207.076**.

Distribution



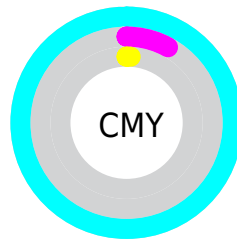
- Red (1%)
- Green (92%)
- Blue (98%)



- Red (1%)
- Yellow (48%)
- Blue (98%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)





- Cyan (99%)
- Magenta (8%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.358, 208.164 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, 45.358, 208.164 by changing the saturation by 10% instead.


 85, 45.358,
208.164


 85, 45.358,
208.164


 100, 45.358,
208.164


 75, 45.358,
208.164

 65, 45.358,
208.164

 55, 45.358,
208.164

 45, 45.358,
208.164

 35, 45.358,
208.164

 25, 45.358,
208.164

 15, 45.358,

208.164

■ 5, 45.358, 208.164

■ 0, 45.358, 208.164

■ 85, 45.358,
208.164

■ 85, 45.358,
208.164

■ 85, 45.374,
208.259

■ 86, 44.977,
207.076

■ 86, 43.734,
206.212

■ 87, 41.450,
205.577

■ 88, 38.081,
205.148

■ 90, 33.652,

204.902

■ 91, 28.244,
204.813

■ 93, 21.971,
204.859

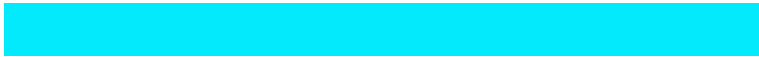
■ 95, 14.967,
205.021

■ 97, 7.369, 205.303

Harmonies

Complementary

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



85, 45.358, 208.164



53, 102.062, 40.384

Rectangle

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



85, 45.358, 208.164



85, 45.358, 258.164



85, 45.358, 28.164



85, 45.358, 78.164

Sweetspot

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



85, 45.357, 208.163



94, 22.796, 204.850



87, 117.100, 136.451



49, 15.279, 204.820



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, 45.357, 208.163



86, 45.878, 208.269



50, 82.201, 290.440



51, 4.549, 205.290



65, 36.632, 208.034



21, 16.729, 206.440

Inverse Universe

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



59, 108.131, 331.179



59, 109.429, 331.209



70, 82.293, 65.854



49, 8.503, 326.849



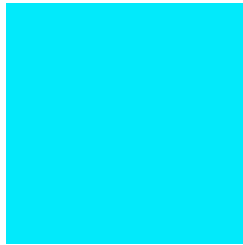
44, 87.348, 331.152



11, 39.788, 330.759

Previews

White Background



This preview shows how the CIE LCh color 85, 45.358, 208.164 looks on a white background.

Color Contrast Check

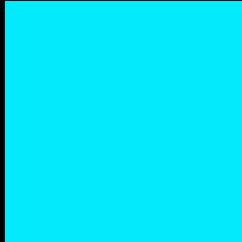
Large Text (above 18pt) WCAG AA × Fail

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, 45.358, 208.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

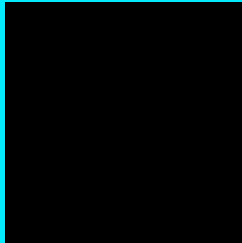
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.358, 208.164

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.358, 208.164.

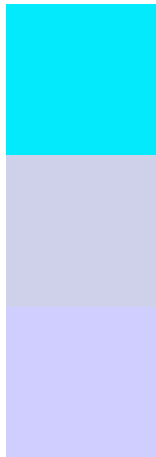


This preview shows how white text looks on a background with the CIELCh color 85, 45.358, 208.164.

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

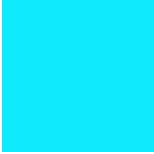
85, 45.316, 208.178

Protanopia

84, 13.713, 288.481

Deuteranopia

84, 25.873, 293.082

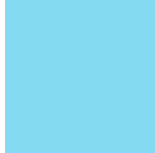


Tritanopia
85, 44.931, 209.716

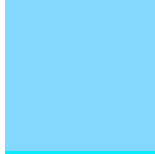
Trichromacy



Original Color
85, 45.316, 208.178



Protanomaly
83, 27.912, 223.946



Deuteranomaly
82, 30.711, 239.449

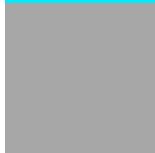


Tritanomaly
85, 45.088, 208.954

Monochromacy



Original Color
85, 45.316, 208.178



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 26.269, 205.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.358, 208.164 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(2, 234, 251)` looks like.

```
.text, #text, p{  
    color:rgb(2, 234, 251)  
}
```

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(2, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 234, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.358, 208.164 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(2, 234, 251) }
```

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

```
.border{ border-color:rgb(2, 234, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 234, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(2, 234,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.358, 208.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 234, 251) }
```

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

```
.background{ background-color: rgb(2, 234,  
251) }
```

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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