

Converting Colors

CIELCh(85, 45.684, 203.930)

Have a look what the booklet for
CIELCh(85, 45.684, 203.930)
contains.

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Color

CIELCh(85, 45.705, 203.926)

Conversions

Conversions Part 1

Format	Color
Hex	07EBF6
RGB	7, 235, 246
RGB Percent	3%, 92%, 96%
CMY	0.9730, 0.0791, 0.0359
CMYK	0.97, 0.04, 0.00, 0.04
HSL	183°, 95%, 50%
HSV	183°, 97%, 96%
XYZ	46.3538, 66.0070, 97.3506
YIQ	168.0820, -139.4190, -44.9150

Conversions

Conversions Part 2

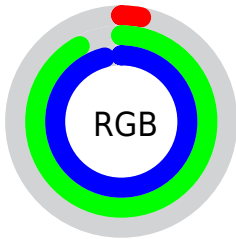
Format	Color
RYB	7, 124, 246
Decimal	519158
CIELab	85.00, -41.78, -18.54
CIELCh	85, 45.705, 203.926
Yxy	66.0070, 0.2210, 0.3148
Android (android.graphics.Color)	4278709238 (0xFF07EBF6)
YUV	168.0820, 38.4136, -141.2689
Hunter-Lab	81.2447, -40.3359, -14.1723

Details

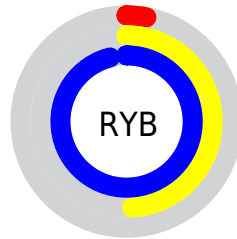
The CIELCh color **85, 45.705, 203.926** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 99.653, 39.809**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **66, 37.236, 206.128** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.780, 204.124**, and if you desaturate by 10%, it is **85, 45.126, 203.274**.

Distribution



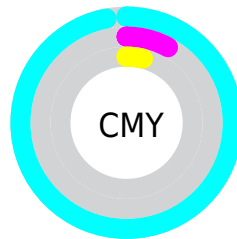
- Red (3%)
- Green (92%)
- Blue (96%)



- Red (3%)
- Yellow (49%)
- Blue (96%)



- Cyan (97%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (97%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.705, 203.926 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, 45.705, 203.926 by changing the saturation by 10% instead.


 85, 45.705,
203.926


 85, 45.705,
203.926


 100, 45.705,
203.926


 75, 45.705,
203.926

 65, 45.705,
203.926

 55, 45.705,
203.926

 45, 45.705,
203.926

 35, 45.705,
203.926

 25, 45.705,
203.926

 15, 45.705,

203.926

■ 5, 45.705, 203.926

■ 0, 45.705, 203.926

■ 85, 45.705,
203.926

■ 85, 45.705,
203.926

■ 85, 45.780,
204.124

■ 85, 45.126,
203.274

■ 86, 43.625,
202.789

■ 87, 41.080,
202.468

■ 88, 37.459,
202.298

■ 89, 32.797,

202.267

■ 90, 27.179,
202.356

■ 92, 20.724,
202.552

■ 93, 13.565,
202.842

■ 95, 5.839, 203.251

Harmonies

Complementary

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



85, 45.705, 203.926



52, 99.653, 39.809

Rectangle

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



85, 45.705, 203.926



85, 45.705, 253.926



85, 45.705, 23.926



85, 45.705, 73.926

Sweetspot

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



85, 45.704, 203.925



94, 22.599, 202.508



85, 115.361, 136.292



50, 15.237, 202.420



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, 45.704, 203.925



88, 47.062, 204.140



52, 74.167, 286.809



50, 4.568, 203.140



66, 37.191, 203.983



21, 16.660, 202.918

Inverse Universe

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



58, 107.983, 330.122



60, 111.392, 330.191



67, 80.909, 63.503



48, 8.489, 326.209



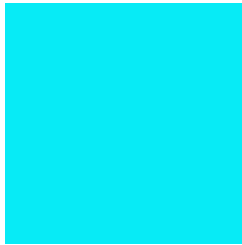
44, 87.993, 330.152



11, 39.310, 329.887

Previews

White Background



This preview shows how the CIE LCh color 85, 45.705, 203.926 looks on a white background.

Color Contrast Check

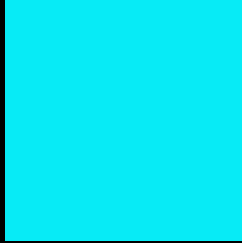
Large Text (above 18pt) WCAG AA × Fail

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, 45.705, 203.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

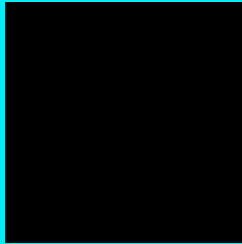
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.705, 203.926

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.705, 203.926.

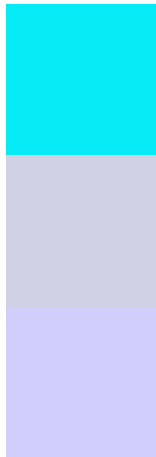


This preview shows how white text looks on a background with the CIELCh color 85, 45.705, 203.926.

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](#).

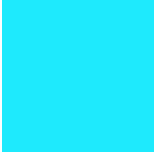
Dichromacy



Original Color
85, 45.727, 203.921

Protanopia
84, 10.547, 291.082

Deuteranopia
84, 24.342, 295.344

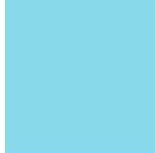


Tritanopia
85, 44.402, 209.903

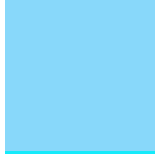
Trichromacy



Original Color
85, 45.727, 203.921



Protanomaly
83, 26.274, 218.032



Deuteranomaly
83, 28.929, 236.956

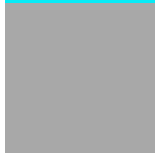


Tritanomaly
85, 44.847, 207.620

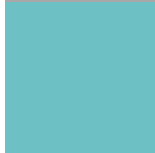
Monochromacy



Original Color
85, 45.727, 203.921



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 26.132, 202.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.705, 203.926 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(7, 235, 246)` looks like.

```
.text, #text, p{  
    color:rgb(7, 235, 246)  
}
```

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(7, 235, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 235, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.705, 203.926 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(7, 235, 246) }
```

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

```
.border{ border-color:rgb(7, 235, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 235, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 235, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 235, 246);  
box-shadow:4px 4px 4px 4px rgb(7, 235,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.705, 203.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 235, 246) }
```

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

```
.background{ background-color: rgb(7, 235,  
246) }
```

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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