

Converting Colors

CIELCh(85, 45.275, 201.401)

Have a look what the booklet for
CIELCh(85, 45.275, 201.401)
contains.

CIELCh(85, 45.310, 201.266)	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, 45.310, 201.266)

Conversions

Conversions Part 1

Format	Color
Hex	1EEBF2
RGB	30, 235, 242
RGB Percent	12%, 92%, 95%
CMY	0.8840, 0.0790, 0.0515
CMYK	0.88, 0.03, 0.00, 0.05
HSL	182°, 89%, 53%
HSV	182°, 88%, 95%
XYZ	46.1960, 66.0070, 94.1989
YIQ	174.5030, -124.4270, -41.2830

Conversions

Conversions Part 2

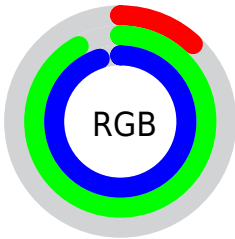
Format	Color
R _Y B	30, 134, 242
Decimal	2026482
CIE Lab	85.00, -42.22, -16.43
CIE LCh	85, 45.310, 201.266
Yxy	66.0070, 0.2238, 0.3198
Android (android.graphics.Color)	4280216562 (0xFF1EEBF2)
YUV	174.5030, 33.2760, -126.7291
Hunter-Lab	81.2447, -40.6826, -11.8723

Details

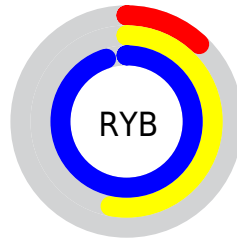
The CIELCh color **85, 45.310, 201.266** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **52, 92.069, 37.570**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.090, 197.085**, and **66, 37.306, 203.452** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.904, 201.705**, and if you desaturate by 10%, it is **85, 43.820, 200.954**.

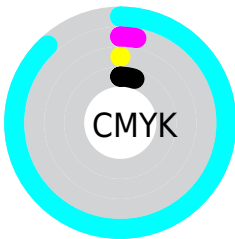
Distribution



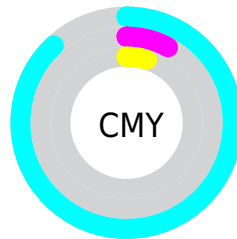
- Red (12%)
- Green (92%)
- Blue (95%)



- Red (12%)
- Yellow (53%)
- Blue (95%)



- Cyan (88%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)





- Cyan (88%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.310, 201.266 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, 45.310, 201.266 by changing the saturation by 10% instead.


 85, 45.310,
201.266


 85, 45.310,
201.266


 100, 45.310,
201.266


 75, 45.310,
201.266

 65, 45.310,
201.266

 55, 45.310,
201.266

 45, 45.310,
201.266

 35, 45.310,
201.266

 25, 45.310,
201.266

 15, 45.310,

201.266

■ 5, 45.310, 201.266

■ 0, 45.310, 201.266

■ 85, 45.310,
201.266

■ 85, 45.310,
201.266

■ 85, 45.904,
201.705

■ 85, 43.820,
200.954

■ 85, 45.979,
201.811

■ 86, 41.301,
200.774

■ 87, 37.718,
200.720

■ 88, 33.099,
200.783

■ 89, 27.524,

200.950

■ 91, 21.109,
201.211

■ 92, 13.985,
201.556

■ 94, 6.289, 202.006

■ 96, 1.850, 22.003

Harmonies

Complementary

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



85, 45.310, 201.266



52, 92.069, 37.570

Rectangle

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



85, 45.310, 201.266



85, 45.310, 251.266



85, 45.310, 21.266



85, 45.310, 71.266

Sweetspot

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



85, 45.309, 201.265



95, 20.764, 201.263



84, 111.009, 136.683



50, 13.889, 201.158



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, 45.309, 201.265



89, 47.852, 201.828



55, 63.874, 280.998



49, 4.547, 201.917



66, 37.421, 201.714



20, 16.434, 200.941

Inverse Universe

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



58, 105.558, 329.376



60, 112.563, 329.615



68, 75.317, 64.650



47, 8.418, 325.840



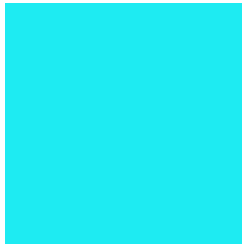
43, 87.996, 329.586



10, 38.552, 329.392

Previews

White Background



This preview shows how the CIE LCh color 85, 45.310, 201.266 looks on a white background.

Color Contrast Check

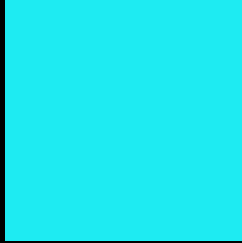
Large Text (above 18pt) WCAG AA × Fail

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, 45.310, 201.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

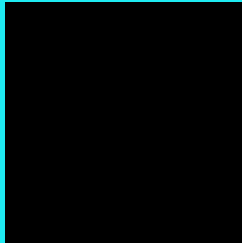
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.310, 201.266

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.310, 201.266.

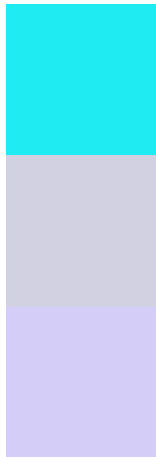


This preview shows how white text looks on a background with the CIELCh color 85, 45.310, 201.266.

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](#).

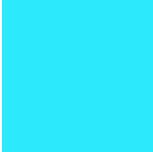
Dichromacy



Original Color
85, 45.310, 201.266

Protanopia
84, 8.979, 293.186

Deuteranopia
84, 22.878, 297.978

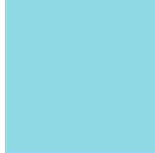


Tritanopia
85, 43.424, 210.264

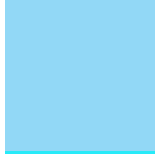
Trichromacy



Original Color
85, 45.310, 201.266



Protanomaly
83, 24.045, 216.012



Deuteranomaly
83, 25.945, 236.263

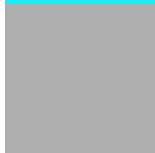


Tritanomaly
85, 44.099, 206.420

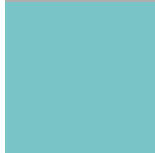
Monochromacy



Original Color
85, 45.310, 201.266



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 24.136, 201.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.310, 201.266 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(30, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(30, 235, 242)  
}
```

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(30, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 235, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.310, 201.266 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(30, 235, 242) }
```

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

```
.border{ border-color:rgb(30, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(30, 235,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.310, 201.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 235, 242) }
```

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

```
.background{ background-color: rgb(30, 235,  
242) }
```

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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