

Converting Colors

CIELCh(85, 45.742, 196.450)

Have a look what the booklet for
CIELCh(85, 45.742, 196.450)
contains.

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Color

CIELCh(85, 45.679, 196.474)

Conversions

Conversions Part 1

Format	Color
Hex	27EBEB
RGB	39, 235, 235
RGB Percent	15%, 92%, 92%
CMY	0.8483, 0.0774, 0.0774
CMYK	0.84, 0.00, 0.00, 0.08
HSL	180°, 83%, 54%
HSV	180°, 84%, 92%
XYZ	45.6415, 66.0070, 89.1318
YIQ	176.3960, -116.8160, -41.5520

Conversions

Conversions Part 2

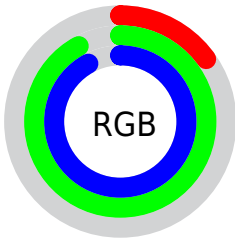
Format	Color
RYB	39, 137, 235
Decimal	2616299
CIELab	85.00, -43.80, -12.95
CIELCh	85, 45.679, 196.474
Yxy	66.0070, 0.2273, 0.3288
Android (android.graphics.Color)	4280806379 (0xFF27EBEB)
YUV	176.3960, 28.8918, -120.4963
Hunter-Lab	81.2447, -41.9008, -8.1745

Details

The CIELCh color **85, 45.679, 196.474** 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 **51, 87.100, 35.432**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **66, 38.120, 197.249** is the 20% darker color. If you saturate the color by 10%, you get **85, 46.794, 196.405**, and if you desaturate by 10%, it is **85, 43.618, 196.599**.

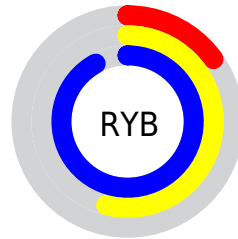
Distribution



Red (15%)

Green (92%)

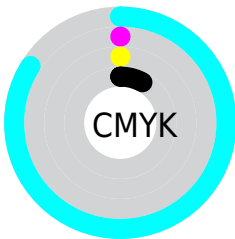
Blue (92%)



Red (15%)

Yellow (54%)

Blue (92%)

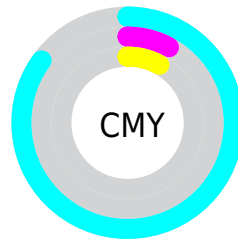


Cyan (84%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (85%)

Magenta (8%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.679, 196.474 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, 45.679, 196.474 by changing the saturation by 10% instead.


 85, 45.679,
196.474


 85, 45.679,
196.474


 100, 45.679,
196.474


 75, 45.679,
196.474

 65, 45.679,
196.474

 55, 45.679,
196.474

 45, 45.679,
196.474

 35, 45.679,
196.474

 25, 45.679,
196.474

 15, 45.679,

196.474

■ 5, 45.679, 196.474

■ 0, 45.679, 196.474

■ 85, 45.679,
196.474

■ 85, 45.679,
196.474

■ 85, 46.794,
196.405

■ 85, 43.618,
196.599

■ 85, 47.153,
196.383

■ 86, 40.527,
196.790

■ 86, 36.393,
197.048

■ 87, 31.262,
197.373

■ 88, 25.226,

197.762

■ 90, 18.405,
198.213

■ 91, 10.933,
198.728

■ 93, 2.945, 199.416

■ 94, 5.432, 19.658

Harmonies

Complementary

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



85, 45.679, 196.474



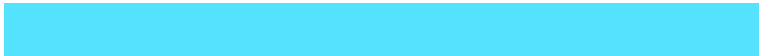
51, 87.100, 35.432

Rectangle

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



85, 45.679, 196.474



85, 45.679, 246.474



85, 45.679, 16.474



85, 45.679, 66.474

Sweetspot

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



85, 45.678, 196.473



96, 20.731, 198.139



82, 106.810, 136.643



51, 13.959, 197.977



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, 45.678, 196.473



91, 50.116, 196.383



57, 56.042, 275.552



48, 4.619, 198.966



67, 38.753, 196.383



19, 16.595, 196.383

Inverse Universe

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



51, 87.100, 35.432



53, 104.575, 40.000



66, 71.142, 62.673



46, 4.905, 19.935



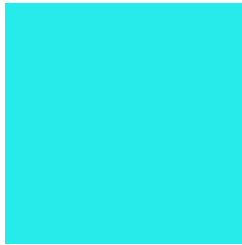
38, 80.846, 39.985



7, 28.535, 22.714

Previews

White Background



This preview shows how the CIE LCh color 85, 45.679, 196.474 looks on a white background.

Color Contrast Check

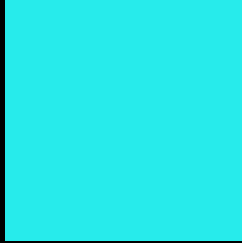
Large Text (above 18pt) WCAG AA × Fail

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, 45.679, 196.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

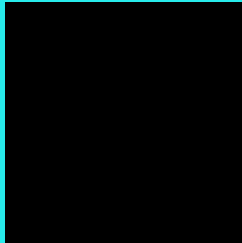
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

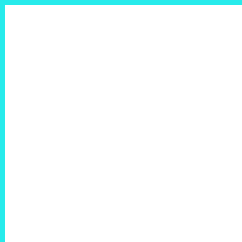
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 45.679, 196.474

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.679, 196.474.

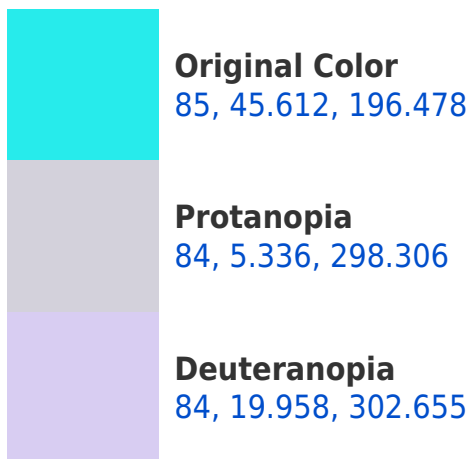


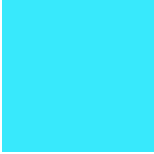
This preview shows how white text looks on a background with the CIELCh color 85, 45.679, 196.474.

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



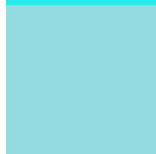


Tritanopia
85, 42.465, 210.628

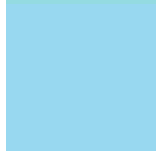
Trichromacy



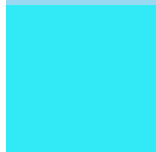
Original Color
85, 45.612, 196.478



Protanomaly
83, 22.898, 205.910

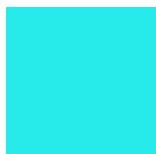


Deuteranomaly
83, 23.199, 231.679

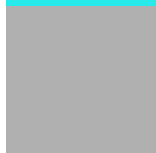


Tritanomaly
85, 43.411, 205.169

Monochromacy



Original Color
85, 45.612, 196.478



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 23.512, 197.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.679, 196.474 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(39, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(39, 235, 235)  
}
```

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(39, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 235, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.679, 196.474 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(39, 235, 235) }
```

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

```
.border{ border-color:rgb(39, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(39, 235,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.679, 196.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 235, 235) }
```

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

```
.background{ background-color: rgb(39, 235,  
235) }
```

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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