

Converting Colors

CIELCh(85, 46.201, 196.442)

Have a look what the booklet for
CIELCh(85, 46.201, 196.442)
contains.

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Color

CIELCh(85, 46.096, 196.448)

Conversions

Conversions Part 1

Format	Color
Hex	20EBEB
RGB	32, 235, 235
RGB Percent	13%, 92%, 92%
CMY	0.8732, 0.0767, 0.0767
CMYK	0.86, 0.00, 0.00, 0.08
HSL	180°, 84%, 53%
HSV	180°, 86%, 92%
XYZ	45.4998, 66.0070, 89.2723
YIQ	174.3030, -120.9880, -43.0360

Conversions

Conversions Part 2

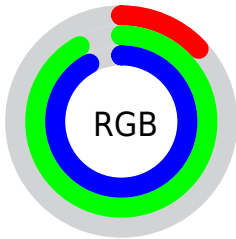
Format	Color
R_{YB}	32, 134, 235
Decimal	2157547
CIE _{Lab}	85.00, -44.21, -13.05
CIE _{LCh}	85, 46.096, 196.448
Yxy	66.0070, 0.2266, 0.3288
Android (android.graphics.Color)	4280347627 (0xFF20EBEB)
YUV	174.3030, 29.9236, -124.7997
Hunter-Lab	81.2447, -42.2122, -8.2770

Details

The CIELCh color **85, 46.096, 196.448** 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, 89.615, 36.383**, 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, 38.120, 197.249** is the 20% darker color. If you saturate the color by 10%, you get **85, 46.983, 196.392**, and if you desaturate by 10%, it is **85, 44.301, 196.557**.

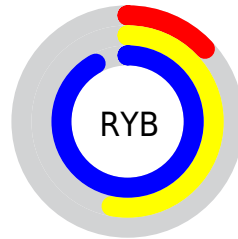
Distribution



Red (13%)

Green (92%)

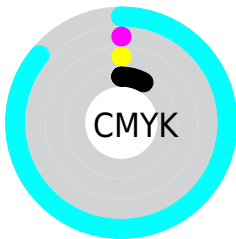
Blue (92%)



Red (13%)

Yellow (53%)

Blue (92%)

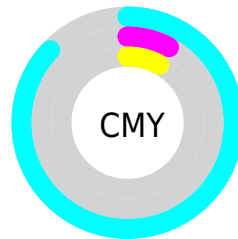


Cyan (86%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (87%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 46.096, 196.448 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, 46.096, 196.448 by changing the saturation by 10% instead.

 85, 46.096,
196.448

 85, 46.096,
196.448


 100, 46.096,
196.448


 75, 46.096,
196.448

 65, 46.096,
196.448

 55, 46.096,
196.448

 45, 46.096,
196.448

 35, 46.096,
196.448

 25, 46.096,
196.448

 15, 46.096,

196.448

■ 5, 46.096, 196.448

■ 0, 46.096, 196.448

■ 85, 46.096,
196.448

■ 85, 46.096,
196.448

■ 85, 46.983,
196.392

■ 85, 44.301,
196.557

■ 85, 47.181,
196.380

■ 86, 41.492,
196.730

■ 86, 37.636,
196.970

■ 87, 32.764,
197.277

■ 88, 26.959,

197.649

■ 89, 20.333,
198.084

■ 91, 13.019,
198.580

■ 92, 5.153, 199.176

■ 94, 3.136, 19.416

Harmonies

Complementary

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



85, 46.096, 196.448



51, 89.615, 36.383

Rectangle

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



85, 46.096, 196.448



85, 46.096, 246.448



85, 46.096, 16.448



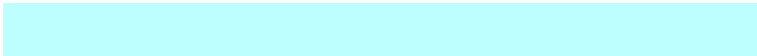
85, 46.096, 66.448

Sweetspot

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



85, 46.095, 196.447



96, 21.482, 198.091



82, 108.358, 136.470



51, 14.371, 197.932



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, 46.095, 196.447



91, 50.117, 196.380



56, 57.794, 276.780



48, 4.619, 198.964



67, 38.753, 196.380



19, 16.595, 196.381

Inverse Universe

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



51, 89.615, 36.383



53, 104.574, 39.999



65, 73.231, 62.134



46, 4.905, 19.934



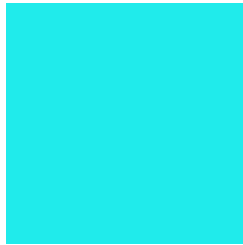
38, 80.845, 39.984



7, 28.535, 22.714

Previews

White Background



This preview shows how the CIE LCh color 85, 46.096, 196.448 looks on a white background.

Color Contrast Check

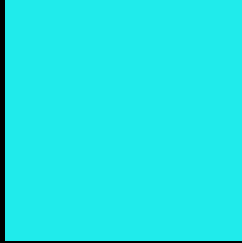
Large Text (above 18pt) WCAG AA × Fail

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, 46.096, 196.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

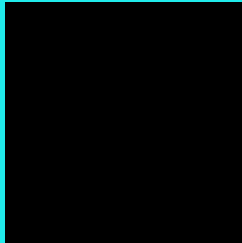
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

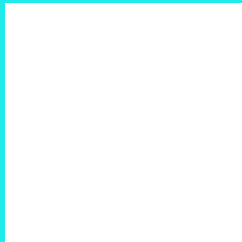
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 46.096, 196.448

Background



This preview shows how black text looks on a background with the CIELCh color 85, 46.096, 196.448.

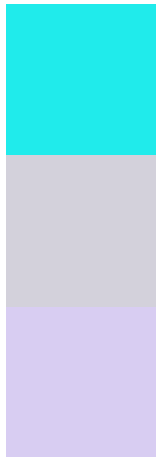


This preview shows how white text looks on a background with the CIELCh color 85, 46.096, 196.448.

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

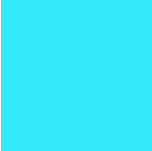
85, 46.042, 196.451

Protanopia

84, 5.336, 298.306

Deuteranopia

84, 19.958, 302.655



Tritanopia
85, 42.811, 210.495

Trichromacy



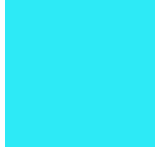
Original Color
85, 46.042, 196.451



Protanomaly
83, 23.444, 205.687



Deuteranomaly
83, 23.879, 230.574

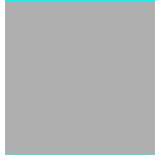


Tritanomaly
85, 43.803, 205.070

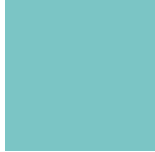
Monochromacy



Original Color
85, 46.042, 196.451



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 24.061, 197.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 46.096, 196.448 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(32, 235, 235)` looks like.

```
.text, #text, p{  
  color:rgb(32, 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(32, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 235, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 46.096, 196.448 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(32, 235, 235) }
```

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

```
.border{ border-color:rgb(32, 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(32, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(32, 235,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 46.096, 196.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 235, 235) }
```

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

```
.background{ background-color: rgb(32, 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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