

Converting Colors

CIELCh(85, 46.018, 196.473)

Have a look what the booklet for
CIELCh(85, 46.018, 196.473)
contains.

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Color

CIELCh(85, 45.928, 196.458)

Conversions

Conversions Part 1

Format	Color
Hex	23EBEB
RGB	35, 235, 235
RGB Percent	14%, 92%, 92%
CMY	0.8627, 0.0770, 0.0770
CMYK	0.85, 0.00, 0.00, 0.08
HSL	180°, 84%, 53%
HSV	180°, 85%, 92%
XYZ	45.5568, 66.0070, 89.2152
YIQ	175.2000, -119.2000, -42.4000

Conversions

Conversions Part 2

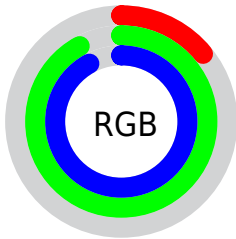
Format	Color
RYB	35, 135, 235
Decimal	2354155
CIELab	85.00, -44.05, -13.01
CIELCh	85, 45.928, 196.458
Yxy	66.0070, 0.2269, 0.3288
Android (android.graphics.Color)	4280544235 (0xFF23EBEB)
YUV	175.2000, 29.4814, -122.9554
Hunter-Lab	81.2447, -42.0869, -8.2353

Details

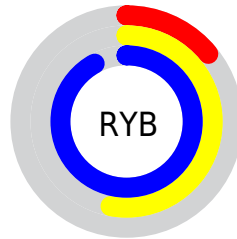
The CIELCh color **85, 45.928, 196.458** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 88.570, 35.984**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **66, 38.120, 197.249** is the 20% darker color. If you saturate the color by 10%, you get **85, 46.910, 196.397**, and if you desaturate by 10%, it is **85, 44.021, 196.574**.

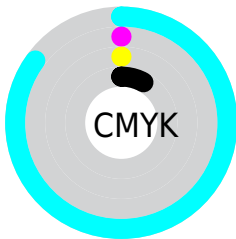
Distribution



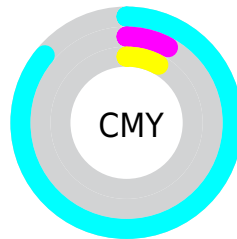
- Red (14%)
- Green (92%)
- Blue (92%)



- Red (14%)
- Yellow (53%)
- Blue (92%)



- Cyan (85%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (86%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.928, 196.458 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, 45.928, 196.458 by changing the saturation by 10% instead.


 85, 45.928,
196.458


 85, 45.928,
196.458


 100, 45.928,
196.458


 75, 45.928,
196.458

 65, 45.928,
196.458

 55, 45.928,
196.458

 45, 45.928,
196.458

 35, 45.928,
196.458

 25, 45.928,
196.458

 15, 45.928,

196.458

■ 5, 45.928, 196.458

■ 0, 45.928, 196.458

■ 85, 45.928,
196.458

■ 85, 45.928,
196.458

■ 85, 46.910,
196.397

■ 85, 44.021,
196.574

■ 85, 47.170,
196.381

■ 86, 41.092,
196.754

■ 86, 37.118,
197.002

■ 87, 32.135,
197.317

■ 88, 26.231,

197.696

■ 89, 19.521,
198.138

■ 91, 12.138,
198.641

■ 92, 4.219, 199.266

■ 94, 4.108, 19.530

Harmonies

Complementary

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



85, 45.928, 196.458



51, 88.570, 35.984

Rectangle

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



85, 45.928, 196.458



85, 45.928, 246.458



85, 45.928, 16.458



85, 45.928, 66.458

Sweetspot

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



85, 45.927, 196.457



96, 21.482, 198.091



82, 107.730, 136.540



51, 14.371, 197.933



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, 45.927, 196.457



91, 50.117, 196.381



57, 57.050, 276.256



48, 4.619, 198.965



67, 38.753, 196.381



19, 16.595, 196.382

Inverse Universe

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



51, 88.570, 35.984



53, 104.574, 39.999



65, 72.363, 62.369



46, 4.905, 19.934



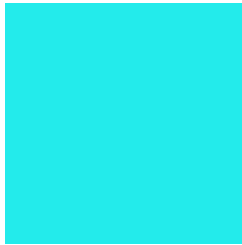
38, 80.846, 39.984



7, 28.535, 22.714

Previews

White Background



This preview shows how the CIE LCh color 85, 45.928, 196.458 looks on a white background.

Color Contrast Check

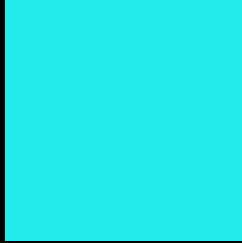
Large Text (above 18pt) WCAG AA × Fail

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, 45.928, 196.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

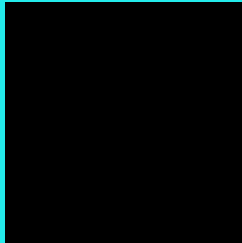
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.928, 196.458

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.928, 196.458.

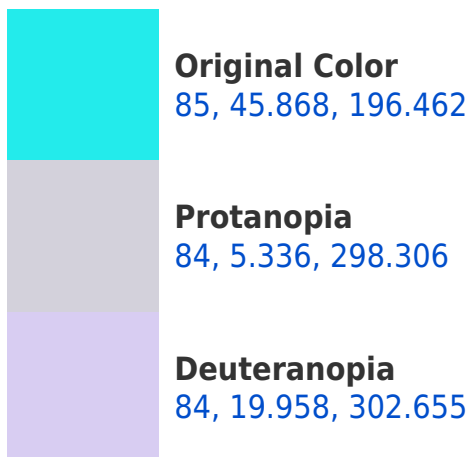


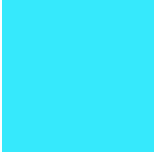
This preview shows how white text looks on a background with the CIELCh color 85, 45.928, 196.458.

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, 42.641, 210.560

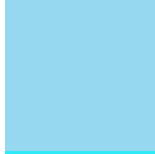
Trichromacy



Original Color
85, 45.868, 196.462



Protanomaly
83, 23.172, 205.797



Deuteranomaly
83, 23.653, 230.933

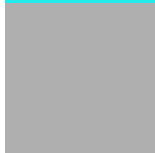


Tritanomaly
85, 43.651, 205.108

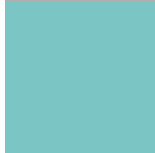
Monochromacy



Original Color
85, 45.868, 196.462



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 23.790, 197.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.928, 196.458 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(35, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 235, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.928, 196.458 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(35, 235, 235) }
```

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

```
.border{ border-color:rgb(35, 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(35, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(35, 235,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.928, 196.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 235, 235) }
```

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

```
.background{ background-color: rgb(35, 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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