

Converting Colors

CIELCh(85, 45.737, 195.120)

Have a look what the booklet for
CIELCh(85, 45.737, 195.120)
contains.

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Color

CIELCh(85, 45.688, 195.126)

Conversions

Conversions Part 1

Format	Color
Hex	2BEBE9
RGB	43, 235, 233
RGB Percent	17%, 92%, 91%
CMY	0.8324, 0.0772, 0.0850
CMYK	0.82, 0.00, 0.01, 0.08
HSL	179°, 83%, 55%
HSV	179°, 82%, 92%
XYZ	45.5362, 66.0070, 87.6654
YIQ	177.3640, -113.7900, -41.3260

Conversions

Conversions Part 2

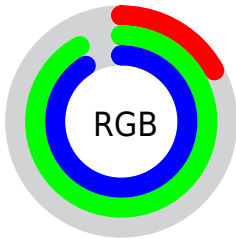
Format	Color
R _Y B	43, 140, 235
Decimal	2878441
CIE Lab	85.00, -44.11, -11.92
CIE LCh	85, 45.688, 195.126
Yxy	66.0070, 0.2286, 0.3313
Android (android.graphics.Color)	4281068521 (0xFF2BEBE9)
YUV	177.3640, 27.4285, -117.8372
Hunter-Lab	81.2447, -42.1321, -7.1043

Details

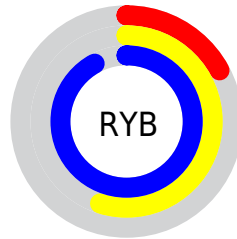
The CIELCh color **85, 45.688, 195.126** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 84.929, 34.228**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **66, 38.421, 195.530** is the 20% darker color. If you saturate the color by 10%, you get **85, 47.003, 194.921**, and if you desaturate by 10%, it is **85, 43.404, 195.369**.

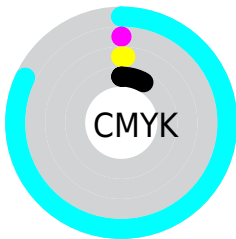
Distribution



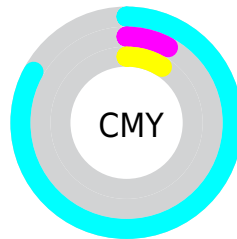
- Red (17%)
- Green (92%)
- Blue (91%)



- Red (17%)
- Yellow (55%)
- Blue (92%)



- Cyan (82%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)





- Cyan (83%)
- Magenta (8%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.688, 195.126 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, 45.688, 195.126 by changing the saturation by 10% instead.


 85, 45.688,
195.126


 85, 45.688,
195.126


 100, 45.688,
195.126


 75, 45.688,
195.126

 65, 45.688,
195.126

 55, 45.688,
195.126

 45, 45.688,
195.126

 35, 45.688,
195.126

 25, 45.688,
195.126

 15, 45.688,

195.126

■ 5, 45.688, 195.126

■ 0, 45.688, 195.126

■ 85, 45.688,
195.126

■ 85, 45.688,
195.126

■ 85, 47.003,
194.921

■ 85, 43.404,
195.369

■ 85, 47.528,
194.775

■ 86, 40.082,
195.661

■ 87, 35.722,
196.006

■ 87, 30.384,
196.405

■ 88, 24.165,

196.857

■ 90, 17.192,
197.361

■ 91, 9.601, 197.924

■ 93, 1.527, 198.837

■ 95, 6.906, 18.937

Harmonies

Complementary

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



85, 45.688, 195.126



51, 84.929, 34.228

Rectangle

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



85, 45.688, 195.126



85, 45.688, 245.126



85, 45.688, 15.126



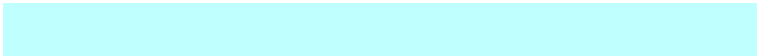
85, 45.688, 65.126

Sweetspot

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



85, 45.687, 195.125



96, 20.771, 197.190



82, 105.766, 136.765



51, 13.989, 197.012



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, 45.687, 195.125



91, 50.396, 194.803



58, 54.963, 274.785



48, 4.623, 198.073



67, 39.049, 194.802



19, 16.702, 195.032

Inverse Universe

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



51, 84.929, 34.228



53, 103.169, 39.321



66, 69.783, 62.993



46, 4.904, 19.093



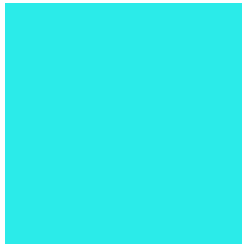
38, 80.373, 39.558



7, 28.489, 22.294

Previews

White Background



This preview shows how the CIE LCh color 85, 45.688, 195.126 looks on a white background.

Color Contrast Check

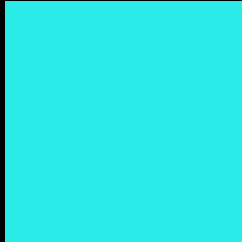
Large Text (above 18pt) WCAG AA × Fail

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, 45.688, 195.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

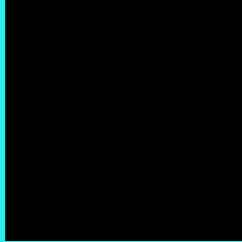
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.688, 195.126

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.688, 195.126.

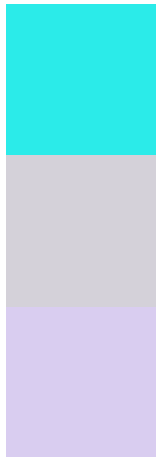


This preview shows how white text looks on a background with the CIELCh color 85, 45.688, 195.126.

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](#).

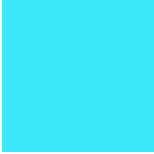
Dichromacy



Original Color
85, 45.615, 195.129

Protanopia
84, 4.372, 304.757

Deuteranopia
84, 18.999, 304.237



Tritanopia
85, 42.105, 210.010

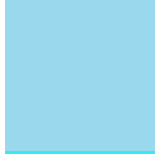
Trichromacy



Original Color
85, 45.615, 195.129



Protanomaly
83, 22.365, 203.368



Deuteranomaly
83, 22.298, 229.947

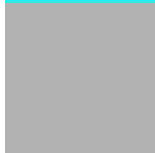


Tritanomaly
85, 43.129, 204.516

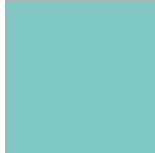
Monochromacy



Original Color
85, 45.615, 195.129



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 23.037, 196.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.688, 195.126 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(43, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(43, 235, 233)  
}
```

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(43, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 235, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.688, 195.126 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(43, 235, 233) }
```

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

```
.border{ border-color:rgb(43, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(43, 235,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.688, 195.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 235, 233) }
```

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

```
.background{ background-color: rgb(43, 235,  
233) }
```

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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