

Converting Colors

CIELCh(85, 45.108, 194.464)

Have a look what the booklet for
CIELCh(85, 45.108, 194.464)
contains.

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Color

CIELCh(85, 45.108, 194.464)

Conversions

Conversions Part 1

Format	Color
Hex	33EBE8
RGB	51, 235, 232
RGB Percent	20%, 92%, 91%
CMY	0.7993, 0.0781, 0.0898
CMYK	0.78, 0.00, 0.01, 0.08
HSL	179°, 82%, 56%
HSV	179°, 78%, 92%
XYZ	45.6854, 66.0070, 86.7425
YIQ	179.6420, -108.7010, -39.9410

Conversions

Conversions Part 2

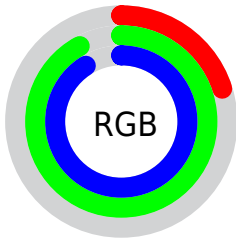
Format	Color
RYB	51, 144, 235
Decimal	3402728
CIELab	85.00, -43.68, -11.27
CIELCh	85, 45.108, 194.464
Yxy	66.0070, 0.2302, 0.3326
Android (android.graphics.Color)	4281592808 (0xFF33EBE8)
YUV	179.6420, 25.8125, -112.8190
Hunter-Lab	81.2447, -41.8043, -6.4308

Details

The CIELCh color **85, 45.108, 194.464** 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, 80.974, 32.518**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **66, 38.583, 194.681** is the 20% darker color. If you saturate the color by 10%, you get **85, 46.787, 194.179**, and if you desaturate by 10%, it is **85, 42.425, 194.780**.

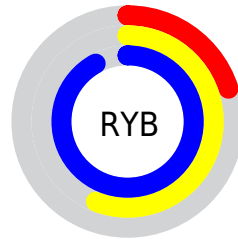
Distribution



Red (20%)

Green (92%)

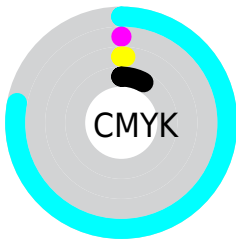
Blue (91%)



Red (20%)

Yellow (56%)

Blue (92%)

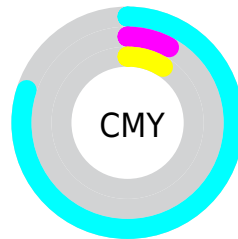


Cyan (78%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (80%)


Magenta (8%)

Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.108, 194.464 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, 45.108, 194.464 by changing the saturation by 10% instead.


 85, 45.108,
194.464


 85, 45.108,
194.464


 100, 45.108,
194.464


 75, 45.108,
194.464

 65, 45.108,
194.464

 55, 45.108,
194.464

 45, 45.108,
194.464

 35, 45.108,
194.464

 25, 45.108,
194.464

 15, 45.108,

194.464

■ 5, 45.108, 194.464

■ 0, 45.108, 194.464

■ 85, 45.108,
194.464

■ 85, 45.108,
194.464

■ 85, 46.787,
194.179

■ 85, 42.425,
194.780

■ 85, 47.609,
193.919

■ 86, 38.698,
195.137


■ 85, 47.715,
193.874

■ 87, 33.951,
195.540

■ 88, 28.261,
195.991

■ 89, 21.739,

196.488

 90, 14.518,
197.034

 92, 6.734, 197.650

 93, 1.482, 17.734

 95, 7.166, 17.961

Harmonies

Complementary

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



85, 45.108, 194.464



52, 80.974, 32.518

Rectangle

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



85, 45.108, 194.464



85, 45.108, 244.464



85, 45.108, 14.464



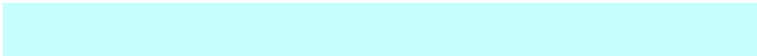
85, 45.108, 64.464

Sweetspot

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



85, 45.108, 194.463



96, 19.264, 196.761



82, 103.172, 137.053



51, 13.166, 196.567



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, 45.108, 194.463



91, 50.379, 194.016



59, 52.647, 273.212



48, 4.626, 197.566



67, 39.228, 193.915



19, 16.767, 194.272

Inverse Universe

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



52, 80.974, 32.518



54, 100.789, 38.244



67, 66.713, 63.615



46, 4.903, 18.615



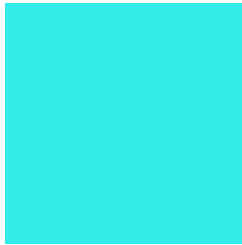
38, 80.107, 39.314



7, 28.464, 22.055

Previews

White Background



This preview shows how the CIE LCh color 85, 45.108, 194.464 looks on a white background.

Color Contrast Check

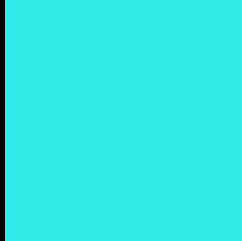
Large Text (above 18pt) WCAG AA × Fail

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, 45.108, 194.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

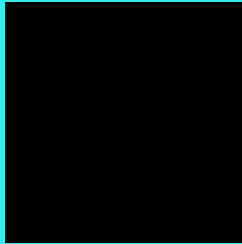
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

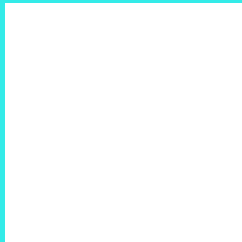
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 45.108, 194.464

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.108, 194.464.

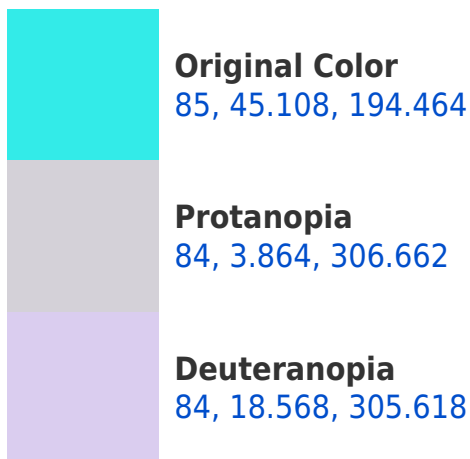


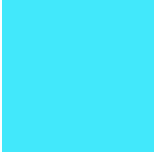
This preview shows how white text looks on a background with the CIELCh color 85, 45.108, 194.464.

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, 41.310, 211.091

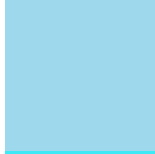
Trichromacy



Original Color
85, 45.108, 194.464



Protanomaly
83, 20.952, 203.830



Deuteranomaly
83, 21.162, 228.484

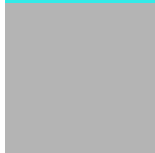


Tritanomaly
85, 42.282, 204.721

Monochromacy



Original Color
85, 45.108, 194.464



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 22.184, 196.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.108, 194.464 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(51, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(51, 235, 232)  
}
```

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(51, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 235, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.108, 194.464 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(51, 235, 232) }
```

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

```
.border{ border-color:rgb(51, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(51, 235,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.108, 194.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 235, 232) }
```

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

```
.background{ background-color: rgb(51, 235,  
232) }
```

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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