

Converting Colors

CIELCh(85, 45.800, 194.264)

Have a look what the booklet for
CIELCh(85, 45.800, 194.264)
contains.

CIELCh(85, 45.690, 194.453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 45.690, 194.453)

Conversions

Conversions Part 1

Format	Color
Hex	2DEBE8
RGB	45, 235, 232
RGB Percent	18%, 92%, 91%
CMY	0.8246, 0.0771, 0.0889
CMYK	0.81, 0.00, 0.01, 0.08
HSL	179°, 83%, 55%
HSV	179°, 81%, 92%
XYZ	45.4878, 66.0070, 86.9347
YIQ	177.8480, -112.2770, -41.2130

Conversions

Conversions Part 2

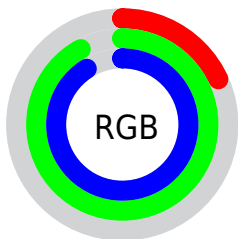
Format	Color
R_{YB}	45, 141, 235
Decimal	3009512
CIE _{Lab}	85.00, -44.24, -11.40
CIE _{LCh}	85, 45.690, 194.453
Yxy	66.0070, 0.2292, 0.3326
Android (android.graphics.Color)	4281199592 (0xFF2DEBE8)
YUV	177.8480, 26.6969, -116.5077
Hunter-Lab	81.2447, -42.2386, -6.5711

Details

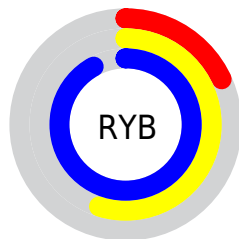
The CIELCh color **85, 45.690, 194.453** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **52, 83.833, 33.598**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **66, 38.583, 194.681** is the 20% darker color. If you saturate the color by 10%, you get **85, 47.108, 194.182**, and if you desaturate by 10%, it is **85, 43.292, 194.753**.

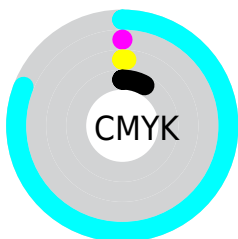
Distribution



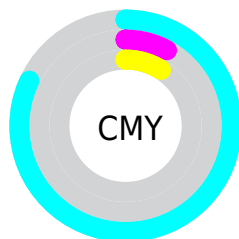
- Red (18%)
- Green (92%)
- Blue (91%)



- Red (18%)
- Yellow (55%)
- Blue (92%)



- Cyan (81%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)





- Cyan (82%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.690, 194.453 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, 45.690, 194.453 by changing the saturation by 10% instead.


 85, 45.690,
194.453


 85, 45.690,
194.453


 100, 45.690,
194.453


 75, 45.690,
194.453

 65, 45.690,
194.453

 55, 45.690,
194.453

 45, 45.690,
194.453

 35, 45.690,
194.453

 25, 45.690,
194.453

 15, 45.690,

194.453

■ 5, 45.690, 194.453

■ 0, 45.690, 194.453

■ 85, 45.690,
194.453

■ 85, 45.690,
194.453

■ 85, 47.108,
194.182

■ 85, 43.292,
194.753

■ 85, 47.732,
193.957

■ 86, 39.854,
195.094

■ 87, 35.382,
195.481

■ 87, 29.941,
195.915

■ 89, 23.633,

196.397

■ 90, 16.586,
196.927

■ 91, 8.938, 197.514

■ 93, 0.824, 198.787

■ 95, 7.073, 18.414

Harmonies

Complementary

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



85, 45.690, 194.453



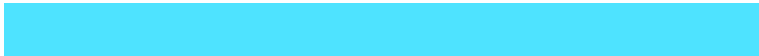
52, 83.833, 33.598

Rectangle

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



85, 45.690, 194.453



85, 45.690, 244.453



85, 45.690, 14.453



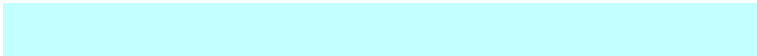
85, 45.690, 64.453

Sweetspot

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



85, 45.689, 194.452



96, 20.031, 196.756



82, 105.216, 136.829



51, 13.587, 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, 45.689, 194.452



91, 50.548, 194.020



58, 54.431, 274.411



48, 4.626, 197.613



67, 39.211, 193.996



19, 16.761, 194.342

Inverse Universe

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



52, 83.833, 33.598



53, 102.499, 38.993



66, 69.095, 63.144



46, 4.903, 18.660



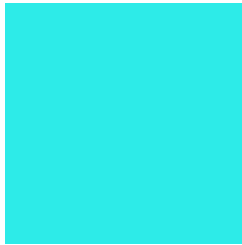
38, 80.132, 39.337



7, 28.466, 22.077

Previews

White Background



This preview shows how the CIE LCh color 85, 45.690, 194.453 looks on a white background.

Color Contrast Check

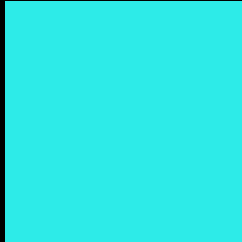
Large Text (above 18pt) WCAG AA × Fail

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, 45.690, 194.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

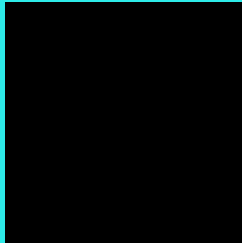
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 45.690, 194.453

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.690, 194.453.

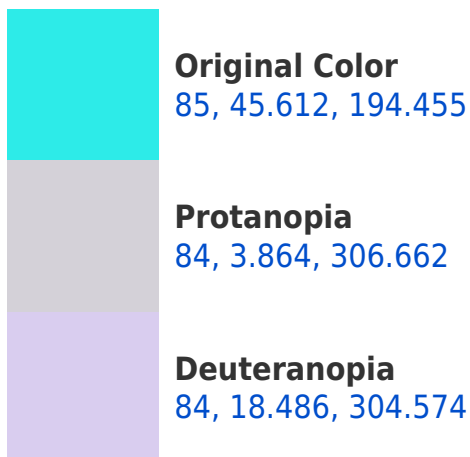


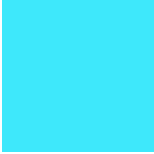
This preview shows how white text looks on a background with the CIELCh color 85, 45.690, 194.453.

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, 41.727, 210.923

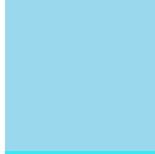
Trichromacy



Original Color
85, 45.612, 194.455



Protanomaly
83, 22.109, 202.054



Deuteranomaly
83, 22.090, 228.654

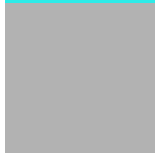


Tritanomaly
85, 42.776, 204.600

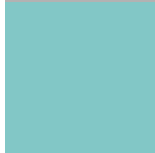
Monochromacy



Original Color
85, 45.612, 194.455



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 22.757, 196.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.690, 194.453 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(45, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 235, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.690, 194.453 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(45, 235, 232) }
```

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

```
.border{ border-color:rgb(45, 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(45, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(45, 235,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.690, 194.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 235, 232) }
```

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

```
.background{ background-color: rgb(45, 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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