

Converting Colors

CIELCh(88, 45.410, 196.576)

Have a look what the booklet for
CIELCh(88, 45.410, 196.576)
contains.

CIELCh(88, 45.440, 196.566)	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(88, 45.440, 196.566)

Conversions

Conversions Part 1

Format	Color
Hex	3BF4F4
RGB	59, 244, 244
RGB Percent	23%, 96%, 96%
CMY	0.7695, 0.0437, 0.0437
CMYK	0.76, 0.00, 0.00, 0.04
HSL	180°, 89%, 59%
HSV	180°, 76%, 96%
XYZ	50.4079, 72.0653, 96.7339
YIQ	188.6850, -110.2600, -39.2200

Conversions

Conversions Part 2

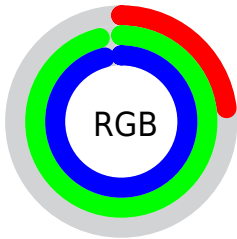
Format	Color
R _Y B	59, 152, 244
Decimal	3929332
CIE Lab	88.00, -43.55, -12.96
CIE LCh	88, 45.440, 196.566
Yxy	72.0653, 0.2300, 0.3288
Android (android.graphics.Color)	4282119412 (0xFF3BF4F4)
YUV	188.6850, 27.2703, -113.7337
Hunter-Lab	84.8913, -42.5675, -8.1373

Details

The CIELCh color **88, 45.440, 196.566** 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 **55, 81.711, 32.713**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **69, 39.549, 197.210** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.307, 196.454**, and if you desaturate by 10%, it is **88, 42.524, 196.739**.

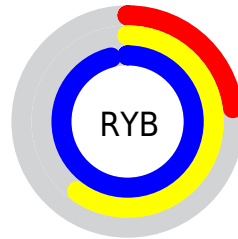
Distribution



Red (23%)

Green (96%)

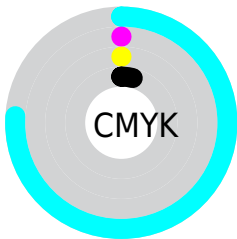
Blue (96%)



Red (23%)

Yellow (60%)

Blue (96%)

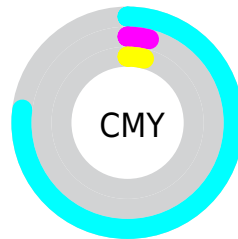


Cyan (76%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (77%)

Magenta (4%)

Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 45.440, 196.566 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 88, 45.440, 196.566 by changing the saturation by 10% instead.

 88, 45.440,
196.566

 88, 45.440,
196.566


 100, 45.440,
196.566

 78, 45.440,
196.566

 68, 45.440,
196.566

 58, 45.440,
196.566

 48, 45.440,
196.566

 38, 45.440,
196.566

 28, 45.440,
196.566


 18, 45.440,


196.566


 8, 45.440, 196.566

 0, 45.440, 196.566


 88, 45.440,
196.566

 88, 45.440,
196.566


 88, 47.307,
196.454

 88, 42.524,
196.739

 88, 48.235,
196.399

 89, 38.529,
196.981


 88, 48.449,
196.386

 90, 33.490,
197.290

 91, 27.491,
197.665

 92, 20.649,

198.102

 94, 13.103,
198.601

 95, 4.992, 199.206

 97, 3.550, 19.460

 97, 3.953, 19.505

Harmonies

Complementary

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



88, 45.440, 196.566



55, 81.711, 32.713

Rectangle

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



88, 45.440, 196.566



88, 45.440, 246.566



88, 45.440, 16.566



88, 45.440, 66.566

Sweetspot

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



88, 45.439, 196.565



96, 19.208, 198.237



85, 104.323, 137.245



51, 13.123, 198.066



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 45.439, 196.565



91, 49.554, 196.418



62, 52.719, 272.290



50, 4.783, 198.965



69, 39.561, 196.386



22, 17.589, 196.386

Inverse Universe

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



55, 81.711, 32.713



54, 99.502, 38.011



70, 66.638, 63.964



48, 5.080, 19.940



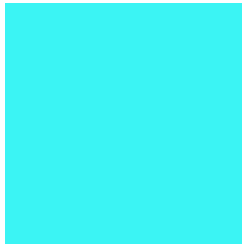
39, 82.551, 40.000



8, 31.025, 25.007

Previews

White Background



This preview shows how the CIE LCh color 88, 45.440, 196.566 looks on a white background.

Color Contrast Check

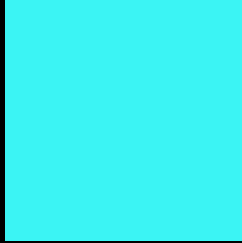
Large Text (above 18pt) WCAG AA × Fail

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 88, 45.440, 196.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

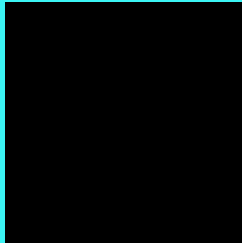
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 45.440, 196.566

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.440, 196.566.



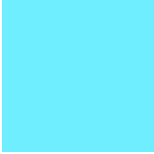
This preview shows how white text looks on a background with the CIELCh color 88, 45.440, 196.566.

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



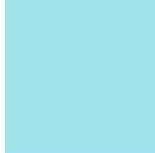


Tritanopia
88, 35.882, 211.765

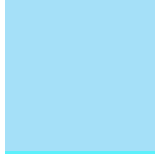
Trichromacy



Original Color
88, 45.440, 196.566



Protanomaly
86, 21.476, 207.951



Deuteranomaly
86, 22.002, 233.552

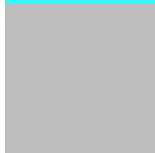


Tritanomaly
88, 39.552, 205.433

Monochromacy



Original Color
88, 45.440, 196.566



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 22.044, 197.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.440, 196.566 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(59, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(59, 244, 244)  
}
```

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(59, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 244, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.440, 196.566 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(59, 244, 244) }
```

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

```
.border{ border-color:rgb(59, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(59, 244,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.440, 196.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 244, 244) }
```

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

```
.background{ background-color: rgb(59, 244,  
244) }
```

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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