

Converting Colors

CIELCh(88, 48.535, 189.518)

Have a look what the booklet for
CIELCh(88, 48.535, 189.518)
contains.

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Color

CIELCh(88, 48.456, 189.466)

Conversions

Conversions Part 1

Format	Color
Hex	30F5EA
RGB	48, 245, 234
RGB Percent	19%, 96%, 92%
CMY	0.8132, 0.0380, 0.0812
CMYK	0.81, 0.00, 0.04, 0.04
HSL	177°, 91%, 57%
HSV	177°, 81%, 96%
XYZ	48.8393, 72.0653, 89.4007
YIQ	184.8430, -113.8810, -45.1850

Conversions

Conversions Part 2

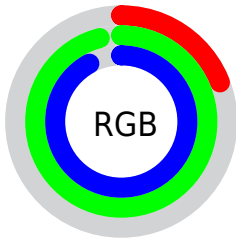
Format	Color
RYB	48, 149, 245
Decimal	3208682
CIELab	88.00, -47.80, -7.97
CIELCh	88, 48.456, 189.466
Yxy	72.0653, 0.2322, 0.3427
Android (android.graphics.Color)	4281398762 (0xFF30F5EA)
YUV	184.8430, 24.2344, -120.0113
Hunter-Lab	84.8913, -45.8657, -3.0156

Details

The CIELCh color **88, 48.456, 189.466** 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 **54, 84.244, 31.044**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **69, 41.679, 188.547** is the 20% darker color. If you saturate the color by 10%, you get **88, 50.181, 188.763**, and if you desaturate by 10%, it is **88, 45.709, 190.134**.

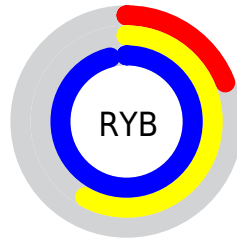
Distribution



Red (19%)

Green (96%)

Blue (92%)



Red (19%)

Yellow (58%)

Blue (96%)

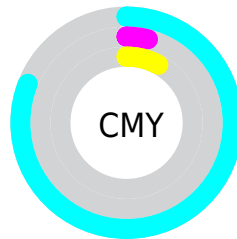


Cyan (81%)

Magenta (0%)

Yellow (4%)

Black (4%)



Cyan (81%)

Magenta (4%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 48.456, 189.466 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, 48.456, 189.466 by changing the saturation by 10% instead.

 88, 48.456,
189.466

 88, 48.456,
189.466

 100, 48.456,
189.466

 78, 48.456,
189.466

 68, 48.456,
189.466

 58, 48.456,
189.466

 48, 48.456,
189.466

 38, 48.456,
189.466

 28, 48.456,
189.466

 18, 48.456,


189.466


 8, 48.456, 189.466


 0, 48.456, 189.466

 88, 48.456,
189.466


 88, 48.456,
189.466


 88, 50.181,
188.763

 88, 45.709,
190.134

 88, 51.065,
188.067


 89, 41.888,
190.784

 90, 37.010,
191.429

 91, 31.153,
192.077

 92, 24.432,

192.736

 93, 16.987,
193.413

 95, 8.962, 194.123

 97, 0.498, 196.013

 97, 3.498, 8.648

Harmonies

Complementary

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



88, 48.456, 189.466



54, 84.244, 31.044

Rectangle

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



88, 48.456, 189.466



88, 48.456, 239.466



88, 48.456, 9.466



88, 48.456, 59.466

Sweetspot

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



88, 48.456, 189.465



96, 20.229, 193.176



85, 107.619, 136.315



51, 13.735, 192.935



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, 48.456, 189.465



91, 52.347, 188.274



64, 51.438, 268.274



50, 4.818, 194.206



68, 41.473, 188.200



21, 18.309, 189.238

Inverse Universe

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



54, 84.244, 31.044



53, 100.725, 37.646



67, 71.896, 58.885



48, 5.086, 15.435



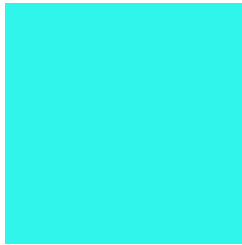
39, 80.206, 37.834



8, 30.680, 22.773

Previews

White Background



This preview shows how the CIE LCh color 88, 48.456, 189.466 looks on a white background.

Color Contrast Check

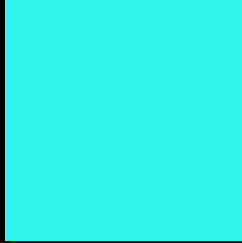
Large Text (above 18pt) WCAG AA × Fail

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, 48.456, 189.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

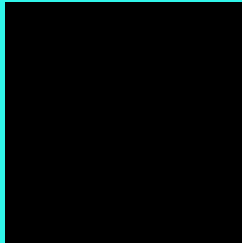
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 48.456, 189.466

Background



This preview shows how black text looks on a background with the CIELCh color 88, 48.456, 189.466.

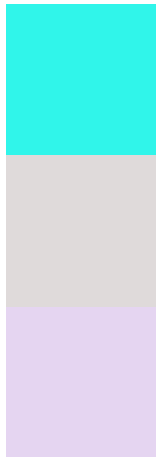


This preview shows how white text looks on a background with the CIELCh color 88, 48.456, 189.466.

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

88, 48.376, 189.460

Protanopia

87, 1.806, 19.209

Deuteranopia

87, 15.762, 312.014

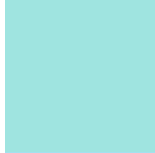


Tritanopia
88, 36.063, 211.681

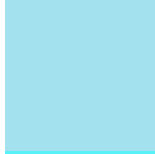
Trichromacy



Original Color
88, 48.376, 189.460



Protanomaly
86, 22.840, 192.559



Deuteranomaly
86, 20.895, 218.925

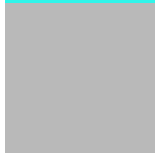


Tritanomaly
88, 40.815, 201.318

Monochromacy



Original Color
88, 48.376, 189.460



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 23.863, 192.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 48.456, 189.466 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(48, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(48, 245, 234)  
}
```

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(48, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 245, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 48.456, 189.466 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(48, 245, 234) }
```

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

```
.border{ border-color:rgb(48, 245, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 245, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(48, 245,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 48.456, 189.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 245, 234) }
```

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

```
.background{ background-color: rgb(48, 245,  
234) }
```

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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