

Converting Colors

CIELCh(88, 46.414, 196.517)

Have a look what the booklet for
CIELCh(88, 46.414, 196.517)
contains.

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Color

CIELCh(88, 46.332, 196.513)

Conversions

Conversions Part 1

Format	Color
Hex	32F4F4
RGB	50, 244, 244
RGB Percent	20%, 96%, 96%
CMY	0.8058, 0.0421, 0.0422
CMYK	0.80, 0.00, 0.00, 0.04
HSL	180°, 90%, 58%
HSV	180°, 80%, 96%
XYZ	50.0846, 72.0653, 97.0561
YIQ	185.9940, -115.6240, -41.1280

Conversions

Conversions Part 2

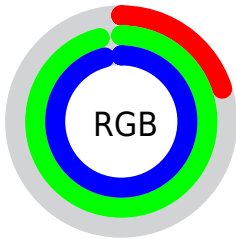
Format	Color
R _Y B	50, 147, 244
Decimal	3339508
CIE Lab	88.00, -44.42, -13.17
CIE LCh	88, 46.332, 196.513
Yxy	72.0653, 0.2285, 0.3288
Android (android.graphics.Color)	4281529588 (0xFF32F4F4)
YUV	185.9940, 28.5970, -119.2667
Hunter-Lab	84.8913, -43.2474, -8.3623

Details

The CIELCh color **88, 46.332, 196.513** 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, 85.907, 34.102**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **69, 39.549, 197.210** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.823, 196.423**, and if you desaturate by 10%, it is **88, 43.822, 196.662**.

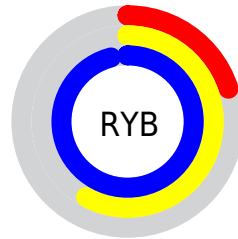
Distribution



Red (20%)

Green (96%)

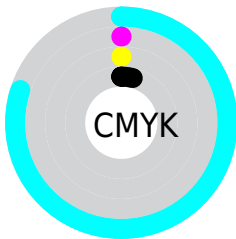
Blue (96%)



Red (20%)

Yellow (58%)

Blue (96%)

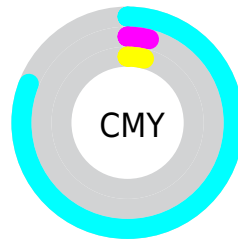


Cyan (80%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (81%)


Magenta (4%)

Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 46.332, 196.513 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, 46.332, 196.513 by changing the saturation by 10% instead.


 88, 46.332,
196.513


 88, 46.332,
196.513


 100, 46.332,
196.513


 78, 46.332,
196.513

 68, 46.332,
196.513

 58, 46.332,
196.513

 48, 46.332,
196.513

 38, 46.332,
196.513


 28, 46.332,
196.513


 18, 46.332,


196.513

 8, 46.332, 196.513

 0, 46.332, 196.513

 88, 46.332,
196.513

 88, 46.332,
196.513


 88, 47.823,
196.423


 88, 43.822,
196.662

 88, 48.494,
196.383

 89, 40.235,
196.878

 88, 48.508,
196.382

 90, 35.583,
197.161

 91, 29.931,
197.512

 92, 23.388,

197.925

■ 93, 16.085,
198.400

■ 95, 8.164, 198.949

■ 96, 0.239, 16.737

■ 97, 3.813, 19.484

Harmonies

Complementary

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



88, 46.332, 196.513



54, 85.907, 34.102

Rectangle

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



88, 46.332, 196.513



88, 46.332, 246.513



88, 46.332, 16.513



88, 46.332, 66.513

Sweetspot

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



88, 46.331, 196.512



96, 19.973, 198.187



85, 107.437, 136.916



51, 13.543, 198.020



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, 46.331, 196.512



91, 49.912, 196.394



61, 55.267, 273.929



50, 4.783, 198.963



69, 39.561, 196.382



22, 17.589, 196.383

Inverse Universe

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



54, 85.907, 34.102



53, 102.579, 39.210



69, 70.120, 63.336



48, 5.080, 19.938



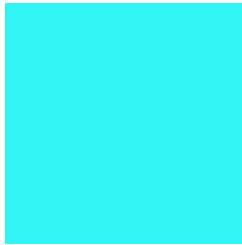
39, 82.549, 39.999



8, 31.024, 25.006

Previews

White Background



This preview shows how the CIE LCh color 88, 46.332, 196.513 looks on a white background.

Color Contrast Check

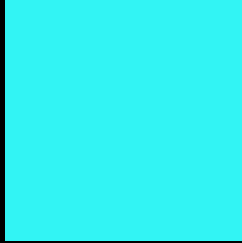
Large Text (above 18pt) WCAG AA × Fail

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, 46.332, 196.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

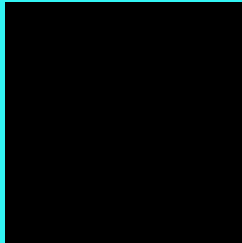
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 46.332, 196.513

Background



This preview shows how black text looks on a background with the CIELCh color 88, 46.332, 196.513.

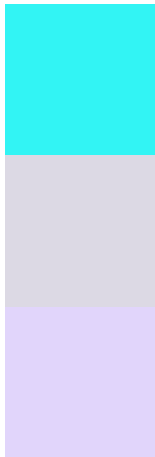


This preview shows how white text looks on a background with the CIELCh color 88, 46.332, 196.513.

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](#).

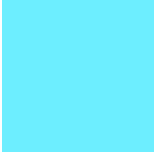
Dichromacy



Original Color
88, 46.250, 196.518

Protanopia
87, 5.875, 301.058

Deuteranopia
87, 20.399, 303.309



Tritanopia
88, 36.242, 211.598

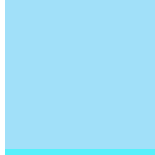
Trichromacy



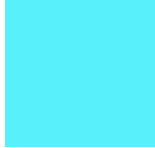
Original Color
88, 46.250, 196.518



Protanomaly
86, 22.313, 207.525



Deuteranomaly
86, 23.153, 233.112

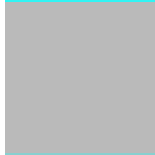


Tritanomaly
88, 40.299, 205.233

Monochromacy



Original Color
88, 46.250, 196.518



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 23.188, 197.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 46.332, 196.513 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(50, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 244, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 46.332, 196.513 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(50, 244, 244) }
```

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

```
.border{ border-color:rgb(50, 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(50, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(50, 244,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 46.332, 196.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 244, 244) }
```

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

```
.background{ background-color: rgb(50, 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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