

Converting Colors

CIELCh(88, 47.179, 203.779)

Have a look what the booklet for
CIELCh(88, 47.179, 203.779)
contains.

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Color

CIELCh(88, 47.170, 203.633)

Conversions

Conversions Part 1

Format	Color
Hex	04F4FF
RGB	4, 244, 255
RGB Percent	2%, 96%, 100%
CMY	0.9828, 0.0424, 0.0000
CMYK	0.98, 0.04, 0.00, 0.00
HSL	183°, 100%, 51%
HSV	183°, 98%, 100%
XYZ	50.5350, 72.0653, 106.0011
YIQ	173.4940, -146.5710, -47.4590

Conversions

Conversions Part 2

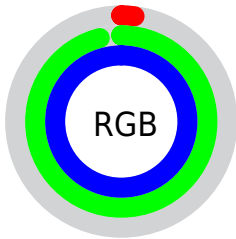
Format	Color
RYB	4, 127, 255
Decimal	324863
CIELab	88.00, -43.21, -18.91
CIELCh	88, 47.170, 203.633
Yxy	72.0653, 0.2211, 0.3152
Android (android.graphics.Color)	4278514943 (0xFF04F4FF)
YUV	173.4940, 40.1825, -148.6462
Hunter-Lab	84.8913, -42.3002, -14.6097

Details

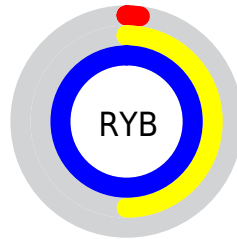
The CIELCh color **88, 47.170, 203.633** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 103.158, 39.976**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **69, 38.496, 205.730** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.229, 203.628**, and if you desaturate by 10%, it is **88, 46.670, 202.893**.

Distribution



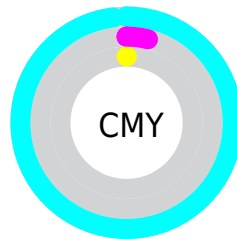
- Red (2%)
- Green (96%)
- Blue (100%)



- Red (2%)
- Yellow (50%)
- Blue (100%)



- Cyan (98%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (98%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 47.170, 203.633 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, 47.170, 203.633 by changing the saturation by 10% instead.


 88, 47.170,
203.633


 88, 47.170,
203.633


 100, 47.170,
203.633


 78, 47.170,
203.633

 68, 47.170,
203.633

 58, 47.170,
203.633

 48, 47.170,
203.633

 38, 47.170,
203.633

 28, 47.170,
203.633

 18, 47.170,

203.633

■ 8, 47.170, 203.633

■ 0, 47.170, 203.633

■ 88, 47.170,
203.633

■ 88, 47.170,
203.633

■ 88, 47.229,
203.628

■ 88, 46.670,
202.893

■ 89, 45.240,
202.427

■ 90, 42.741,
202.119

■ 91, 39.130,
201.960

■ 92, 34.435,

201.935

■ 93, 28.741,
202.030

■ 95, 22.164,
202.231

■ 96, 14.844,
202.525

■ 98, 6.921, 202.927

Harmonies

Complementary

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



88, 47.170, 203.633



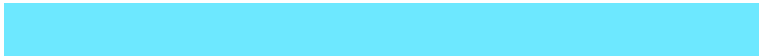
54, 103.158, 39.976

Rectangle

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



88, 47.170, 203.633



88, 47.170, 253.633



88, 47.170, 23.633



88, 47.170, 73.633

Sweetspot

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



88, 47.183, 203.514



95, 22.663, 202.213



88, 118.901, 136.243



50, 15.280, 202.119



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, 47.183, 203.514



88, 47.229, 203.628



53, 77.305, 287.362



52, 4.736, 202.868



68, 38.075, 203.496



23, 17.631, 202.592

Inverse Universe

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



60, 111.423, 330.026



60, 111.646, 330.064



69, 83.706, 63.112



50, 8.795, 326.130



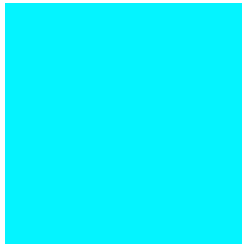
45, 89.978, 330.031



12, 41.564, 329.806

Previews

White Background



This preview shows how the CIE LCh color 88, 47.170, 203.633 looks on a white background.

Color Contrast Check

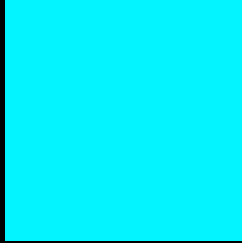
Large Text (above 18pt) WCAG AA × Fail

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, 47.170, 203.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

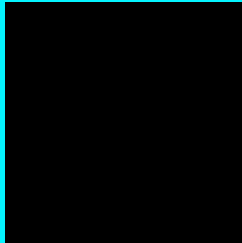
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

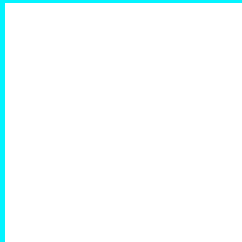
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 47.170, 203.633

Background



This preview shows how black text looks on a background with the CIELCh color 88, 47.170, 203.633.

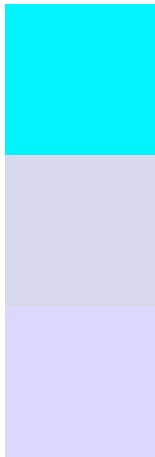


This preview shows how white text looks on a background with the CIELCh color 88, 47.170, 203.633.

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, 47.150, 203.637

Protanopia

87, 10.997, 291.094

Deuteranopia

87, 21.022, 295.543

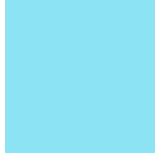


Tritanopia
88, 36.958, 210.413

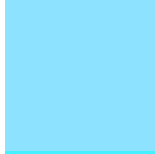
Trichromacy



Original Color
88, 47.150, 203.637



Protanomaly
86, 27.450, 216.947



Deuteranomaly
86, 28.752, 230.278

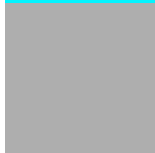


Tritanomaly
88, 42.642, 206.832

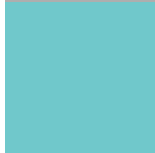
Monochromacy



Original Color
88, 47.150, 203.637



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 27.438, 200.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 47.170, 203.633 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(4, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 244, 255)  
}
```

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(4, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 244, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 47.170, 203.633 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(4, 244, 255) }
```

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

```
.border{ border-color:rgb(4, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 244,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 47.170, 203.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 244, 255) }
```

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

```
.background{ background-color: rgb(4, 244,  
255) }
```

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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