

Converting Colors

CIELCh(83, 87.662, 199.432)

Have a look what the booklet for
CIELCh(83, 87.662, 199.432)
contains.

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Color

CIELCh(88, 47.466, 202.922)

Conversions

Conversions Part 1

Format	Color
Hex	00F4FE
RGB	0, 244, 254
RGB Percent	0%, 96%, 100%
CMY	1.0000, 0.0417, 0.0025
CMYK	1.00, 0.04, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	50.3467, 72.0653, 105.3249
YIQ	172.1840, -148.6340, -48.6180

Conversions

Conversions Part 2

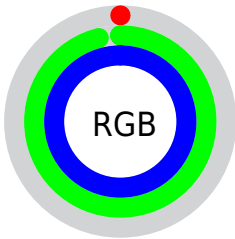
Format	Color
R _{YB}	0, 124, 254
Decimal	62718
CIE _{Lab}	88.00, -43.72, -18.49
CIE _{LCh}	88, 47.466, 202.922
Y _{xy}	72.0653, 0.2211, 0.3164
Android (android.graphics.Color)	4278252798 (0xFF00F4FE)
YUV	172.1840, 40.3353, -151.0054
Hunter-Lab	84.8913, -42.6963, -14.1374

Details

The CIELCh color **88, 47.466, 202.922** 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 **53, 103.907, 40.277**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **69, 38.566, 204.859** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.370, 202.939**, and if you desaturate by 10%, it is **88, 46.941, 202.367**.

Distribution



- Red (0%)
- Green (96%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 47.466, 202.922 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, 47.466, 202.922 by changing the saturation by 10% instead.

 88, 47.466,
202.922


 88, 47.466,
202.922

 100, 47.466,
202.922

 78, 47.466,
202.922

 68, 47.466,
202.922

 58, 47.466,
202.922

 48, 47.466,
202.922

 38, 47.466,
202.922

 28, 47.466,
202.922

 18, 47.466,

202.922

■ 8, 47.466, 202.922

■ 0, 47.466, 202.922

■ 88, 47.466,
202.922

■ 88, 47.466,
202.922

■ 88, 47.370,
202.939

■ 88, 46.941,
202.367

■ 89, 45.668,
201.931

■ 90, 43.343,
201.644

■ 90, 39.909,
201.499

■ 92, 35.384,

201.484

■ 93, 29.841,
201.586

■ 94, 23.393,
201.791

■ 96, 16.177,
202.088

■ 98, 8.333, 202.482

Harmonies

Complementary

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



88, 47.466, 202.922



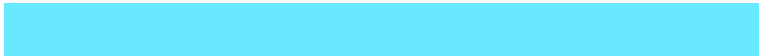
53, 103.907, 40.277

Rectangle

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



88, 47.466, 202.922



88, 47.466, 252.922



88, 47.466, 22.922



88, 47.466, 72.922

Sweetspot

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



88, 47.370, 202.939



94, 23.440, 201.790



88, 119.024, 136.197



50, 15.712, 201.692



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, 47.370, 202.939



88, 47.460, 202.940



52, 78.574, 288.078



52, 4.754, 202.505



68, 38.259, 202.821



23, 17.707, 202.006

Inverse Universe

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



60, 111.781, 329.892



60, 111.993, 329.892



68, 84.294, 62.618



50, 8.818, 326.021



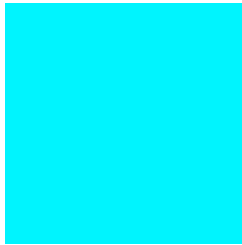
45, 90.252, 329.863



12, 41.675, 329.659

Previews

White Background



This preview shows how the CIE LCh color 88, 47.466, 202.922 looks on a white background.

Color Contrast Check

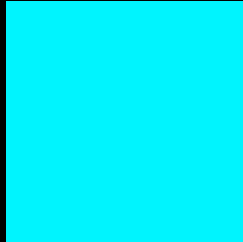
Large Text (above 18pt) WCAG AA × Fail

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, 47.466, 202.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

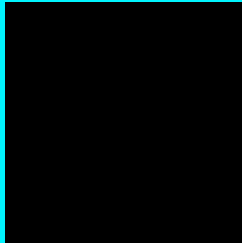
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 47.466, 202.922

Background



This preview shows how black text looks on a background with the CIELCh color 88, 47.466, 202.922.

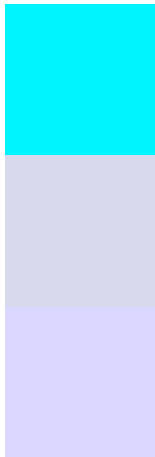


This preview shows how white text looks on a background with the CIELCh color 88, 47.466, 202.922.

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

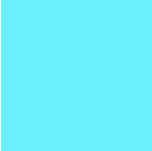
88, 47.316, 202.948

Protanopia

87, 10.474, 291.052

Deuteranopia

87, 21.022, 295.543

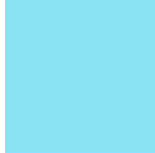


Tritanopia
88, 36.784, 210.487

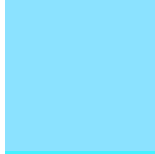
Trichromacy



Original Color
88, 47.316, 202.948



Protanomaly
85, 27.836, 215.484



Deuteranomaly
86, 29.157, 229.756

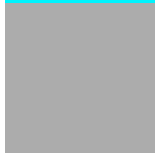


Tritanomaly
88, 42.752, 206.800

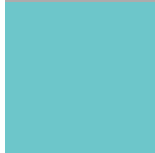
Monochromacy



Original Color
88, 47.316, 202.948



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 27.610, 201.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 47.466, 202.922 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(0, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 254)  
}
```

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(0, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 47.466, 202.922 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(0, 244, 254) }
```

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

```
.border{ border-color:rgb(0, 244, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 47.466, 202.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 254) }
```

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

```
.background{ background-color: rgb(0, 244,  
254) }
```

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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