

Converting Colors

CIELCh(88, 47.336, 203.305)

Have a look what the booklet for
CIELCh(88, 47.336, 203.305)
contains.

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Color

CIELCh(88, 47.232, 203.620)

Conversions

Conversions Part 1

Format	Color
Hex	02F4FF
RGB	2, 244, 255
RGB Percent	1%, 96%, 100%
CMY	0.9939, 0.0423, 0.0000
CMYK	0.99, 0.04, 0.00, 0.00
HSL	183°, 100%, 50%
HSV	183°, 99%, 100%
XYZ	50.5122, 72.0653, 106.0253
YIQ	172.8960, -147.7630, -47.8830

Conversions

Conversions Part 2

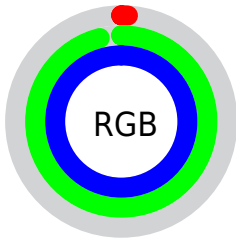
Format	Color
R _Y B	2, 126, 255
Decimal	193791
CIE Lab	88.00, -43.28, -18.92
CIE LCh	88, 47.232, 203.620
Yxy	72.0653, 0.2210, 0.3152
Android (android.graphics.Color)	4278383871 (0xFF02F4FF)
YUV	172.8960, 40.4773, -149.8758
Hunter-Lab	84.8913, -42.3483, -14.6266

Details

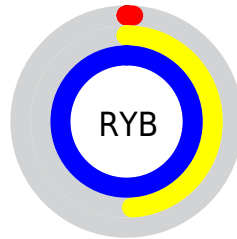
The CIELCh color **88, 47.232, 203.620** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 103.751, 40.178**, and the grayscale version is **71, 0.009, 296.813**.

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, 47.264, 203.522**, and if you desaturate by 10%, it is **88, 46.801, 202.860**.

Distribution



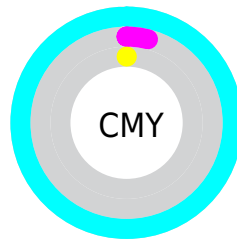
- Red (1%)
- Green (96%)
- Blue (100%)



- Red (1%)
- Yellow (49%)
- Blue (100%)



- Cyan (99%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 47.232, 203.620 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, 47.232, 203.620 by changing the saturation by 10% instead.


 88, 47.232,
203.620


 88, 47.232,
203.620


 100, 47.232,
203.620


 78, 47.232,
203.620

 68, 47.232,
203.620

 58, 47.232,
203.620

 48, 47.232,
203.620

 38, 47.232,
203.620

 28, 47.232,
203.620

 18, 47.232,

203.620

■ 8, 47.232, 203.620

■ 0, 47.232, 203.620

■ 88, 47.232,
203.620

■ 88, 47.232,
203.620

■ 88, 47.264,
203.522

■ 88, 46.801,
202.860

■ 89, 45.480,
202.385

■ 90, 43.101,
202.067

■ 91, 39.610,
201.898

■ 92, 35.030,

201.863

■ 93, 29.438,
201.950

■ 94, 22.949,
202.143

■ 96, 15.700,
202.429

■ 98, 7.832, 202.818

Harmonies

Complementary

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



88, 47.232, 203.620



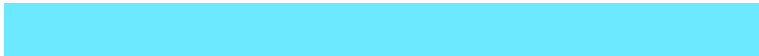
54, 103.751, 40.178

Rectangle

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



88, 47.232, 203.620



88, 47.232, 253.620



88, 47.232, 23.620



88, 47.232, 73.620

Sweetspot

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



88, 47.248, 203.483



94, 23.364, 202.128



88, 119.133, 136.211



50, 15.661, 202.037



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, 47.248, 203.483



88, 47.264, 203.522



53, 78.230, 287.832



52, 4.738, 202.813



68, 38.103, 203.392



23, 17.642, 202.502

Inverse Universe

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



60, 111.620, 330.024



60, 111.699, 330.037



69, 84.189, 62.786



50, 8.798, 326.114



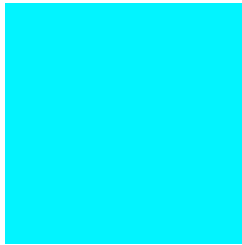
45, 90.020, 330.005



12, 41.581, 329.783

Previews

White Background



This preview shows how the CIE LCh color 88, 47.232, 203.620 looks on a white background.

Color Contrast Check

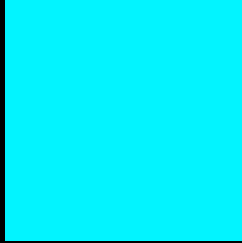
Large Text (above 18pt) WCAG AA × Fail

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, 47.232, 203.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

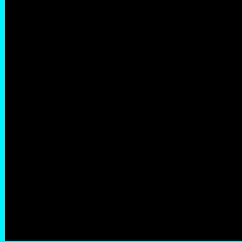
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 47.232, 203.620

Background



This preview shows how black text looks on a background with the CIELCh color 88, 47.232, 203.620.

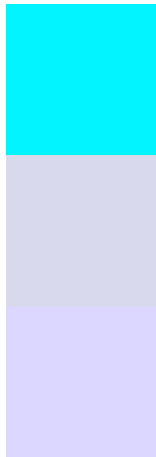


This preview shows how white text looks on a background with the CIELCh color 88, 47.232, 203.620.

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, 47.191, 203.629

Protanopia

87, 10.997, 291.094

Deuteranopia

87, 21.022, 295.543

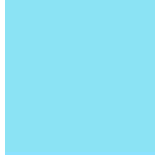


Tritanopia
88, 36.958, 210.413

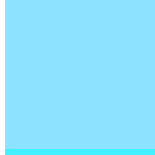
Trichromacy



Original Color
88, 47.191, 203.629



Protanomaly
85, 27.682, 216.767



Deuteranomaly
86, 28.955, 230.015

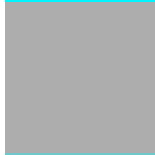


Tritanomaly
88, 42.752, 206.800

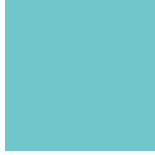
Monochromacy



Original Color
88, 47.191, 203.629



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 27.376, 201.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 47.232, 203.620 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(2, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 244, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 88, 47.232, 203.620 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(2, 244, 255) }
```

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

```
.border{ border-color:rgb(2, 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(2, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 244,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 47.232, 203.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 244, 255) }
```

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

```
.background{ background-color: rgb(2, 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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