

Converting Colors

CIELCh(87, 58.662, 222.677)

Have a look what the booklet for
CIELCh(87, 58.662, 222.677)
contains.

CIELCh(88, 47.003, 204.326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 47.003, 204.326)

Conversions

Conversions Part 1

Format	Color
Hex	08F4FF
RGB	8, 244, 255
RGB Percent	3%, 96%, 100%
CMY	0.9695, 0.0429, 0.0000
CMYK	0.97, 0.04, 0.00, 0.00
HSL	183°, 100%, 52%
HSV	183°, 97%, 100%
XYZ	50.6789, 72.0653, 106.7287
YIQ	174.6900, -144.1870, -46.6110

Conversions

Conversions Part 2

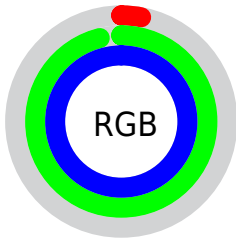
Format	Color
R_{YB}	8, 129, 255
Decimal	587007
CIE _{Lab}	88.00, -42.83, -19.36
CIE _{LCh}	88, 47.003, 204.326
Yxy	72.0653, 0.2208, 0.3140
Android (android.graphics.Color)	4278777087 (0xFF08F4FF)
YUV	174.6900, 39.5928, -146.1871
Hunter-Lab	84.8913, -41.9977, -15.1179

Details

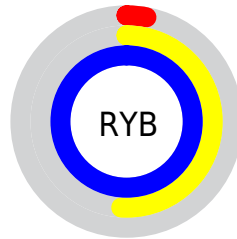
The CIELCh color **88, 47.003, 204.326** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 102.432, 39.766**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **69, 38.496, 205.730** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.163, 203.829**, and if you desaturate by 10%, it is **88, 46.478, 202.997**.

Distribution



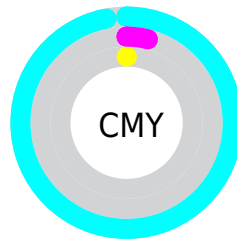
- Red (3%)
- Green (96%)
- Blue (100%)



- Red (3%)
- Yellow (51%)
- Blue (100%)



- Cyan (97%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 47.003, 204.326 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, 47.003, 204.326 by changing the saturation by 10% instead.


 88, 47.003,
204.326


 88, 47.003,
204.326


 100, 47.003,
204.326


 78, 47.003,
204.326

 68, 47.003,
204.326

 58, 47.003,
204.326

 48, 47.003,
204.326

 38, 47.003,
204.326

 28, 47.003,
204.326

 18, 47.003,

204.326

■ 8, 47.003, 204.326

■ 0, 47.003, 204.326

■ 88, 47.003,
204.326

■ 88, 47.003,
204.326

■ 88, 47.163,
203.829

■ 88, 46.478,
202.997

■ 89, 44.915,
202.537

■ 90, 42.273,
202.237

■ 91, 38.519,
202.086

■ 92, 33.692,

202.069

■ 93, 27.879,
202.172

■ 95, 21.202,
202.379

■ 97, 13.801,
202.681

■ 99, 5.817, 203.101

Harmonies

Complementary

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



88, 47.003, 204.326



54, 102.432, 39.766

Rectangle

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



88, 47.003, 204.326



88, 47.003, 254.326



88, 47.003, 24.326



88, 47.003, 74.326

Sweetspot

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



88, 47.084, 203.619



95, 22.638, 202.329



88, 118.587, 136.293



50, 15.263, 202.237



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, 47.084, 203.619



88, 47.163, 203.829



53, 76.200, 286.784



52, 4.731, 202.974



68, 38.023, 203.693



23, 17.609, 202.762

Inverse Universe

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



60, 111.153, 330.046



60, 111.546, 330.114



69, 83.142, 63.516



50, 8.788, 326.162



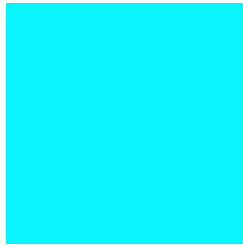
45, 89.899, 330.080



12, 41.531, 329.848

Previews

White Background



This preview shows how the CIE LCh color 88, 47.003, 204.326 looks on a white background.

Color Contrast Check

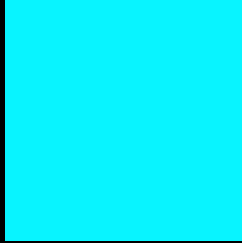
Large Text (above 18pt) WCAG AA × Fail

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, 47.003, 204.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

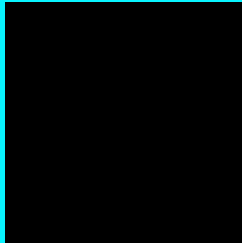
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 47.003, 204.326

Background



This preview shows how black text looks on a background with the CIELCh color 88, 47.003, 204.326.

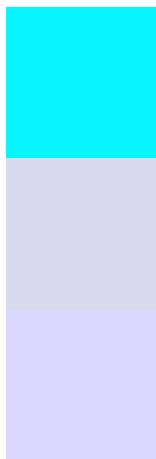


This preview shows how white text looks on a background with the CIELCh color 88, 47.003, 204.326.

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

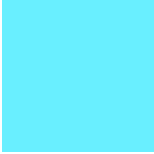
88, 47.068, 203.654

Protanopia

87, 10.997, 291.094

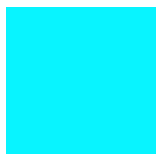
Deuteranopia

87, 21.022, 295.543

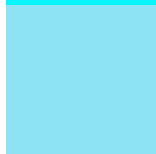


Tritanopia
88, 37.131, 210.341

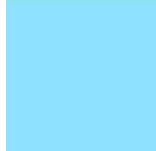
Trichromacy



Original Color
88, 47.068, 203.654



Protanomaly
86, 27.216, 217.131



Deuteranomaly
86, 28.548, 230.547



Tritanomaly
88, 42.530, 206.864

Monochromacy



Original Color
88, 47.068, 203.654



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 26.894, 202.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 47.003, 204.326 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(8, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 244, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 47.003, 204.326 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(8, 244, 255) }
```

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

```
.border{ border-color:rgb(8, 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(8, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(8, 244,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 47.003, 204.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 244, 255) }
```

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

```
.background{ background-color: rgb(8, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor