

Converting Colors

CIELCh(90, 48.994, 248.028)

Have a look what the booklet for
CIELCh(90, 48.994, 248.028)
contains.

CIELCh(88, 40.080, 207.621)	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, 40.080, 207.621)

Conversions

Conversions Part 1

Format	Color
Hex	59F1FF
RGB	89, 241, 255
RGB Percent	35%, 95%, 100%
CMY	0.6523, 0.0559, 0.0010
CMYK	0.65, 0.05, 0.00, 0.00
HSL	185°, 100%, 67%
HSV	185°, 65%, 100%
XYZ	53.4728, 72.0653, 105.4767
YIQ	197.1480, -95.0860, -27.8700

Conversions

Conversions Part 2

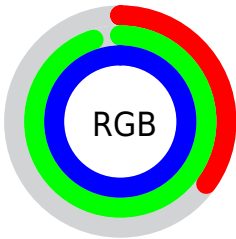
Format	Color
R _Y B	89, 168, 255
Decimal	5894655
CIE Lab	88.00, -35.51, -18.58
CIE LCh	88, 40.080, 207.621
Yxy	72.0653, 0.2315, 0.3120
Android (android.graphics.Color)	4284084735 (0xFF59F1FF)
YUV	197.1480, 28.5210, -94.8458
Hunter-Lab	84.8913, -36.1231, -14.2435

Details

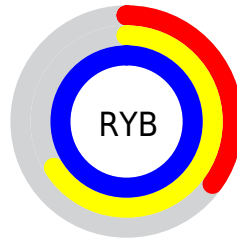
The CIELCh color **88, 40.080, 207.621** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **63, 68.442, 33.526**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.407, 197.545**, and **68, 37.863, 208.546** is the 20% darker color. If you saturate the color by 10%, you get **87, 42.768, 208.372**, and if you desaturate by 10%, it is **89, 36.306, 207.102**.

Distribution



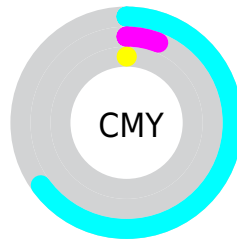
- Red (35%)
- Green (95%)
- Blue (100%)



- Red (35%)
- Yellow (66%)
- Blue (100%)



- Cyan (65%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 40.080, 207.621 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, 40.080, 207.621 by changing the saturation by 10% instead.


 88, 40.080,
207.621


 88, 40.080,
207.621


 100, 40.080,
207.621


 78, 40.080,
207.621

 68, 40.080,
207.621

 58, 40.080,
207.621

 48, 40.080,
207.621

 38, 40.080,
207.621

 28, 40.080,
207.621

 18, 40.080,

207.621

■ 8, 40.080, 207.621

■ 0, 40.080, 207.621

■ 88, 40.080,
207.621

■ 88, 40.080,
207.621

■ 87, 42.768,
208.372

■ 89, 36.306,
207.102

■ 86, 44.387,
209.391

■ 91, 31.498,
206.787

■ 85, 45.037,
210.699

■ 93, 25.755,
206.643

■ 85, 45.120,
211.408

■ 94, 19.200,
206.644

■ 96, 11.972,

206.770

■ 99, 4.203, 207.070

100, 0.122,
109.533

Harmonies

Complementary

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



88, 40.080, 207.621



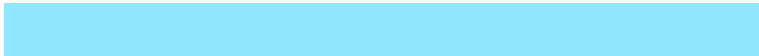
63, 68.442, 33.526

Rectangle

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



88, 40.080, 207.621



88, 40.080, 257.621



88, 40.080, 27.621



88, 40.080, 77.621

Sweetspot

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



88, 40.079, 207.620



96, 15.538, 206.694



89, 92.889, 140.542



50, 10.499, 206.663



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

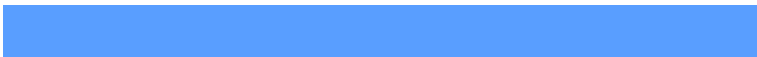
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 40.079, 207.620



87, 43.363, 208.631



65, 55.185, 278.299



52, 4.558, 206.904



65, 36.418, 211.123



22, 16.917, 209.169

Inverse Universe

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



65, 90.837, 330.461



62, 101.282, 331.058



80, 59.718, 74.806



50, 8.550, 327.326



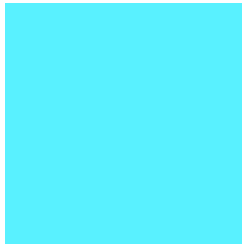
45, 87.113, 331.909



12, 40.397, 331.430

Previews

White Background



This preview shows how the CIE LCh color 88, 40.080, 207.621 looks on a white background.

Color Contrast Check

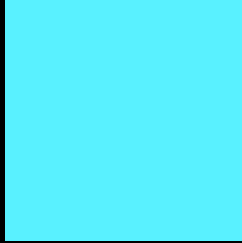
Large Text (above 18pt) WCAG AA × Fail

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, 40.080, 207.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

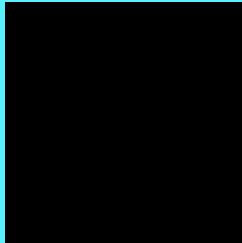
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 40.080, 207.621

Background



This preview shows how black text looks on a background with the CIELCh color 88, 40.080, 207.621.

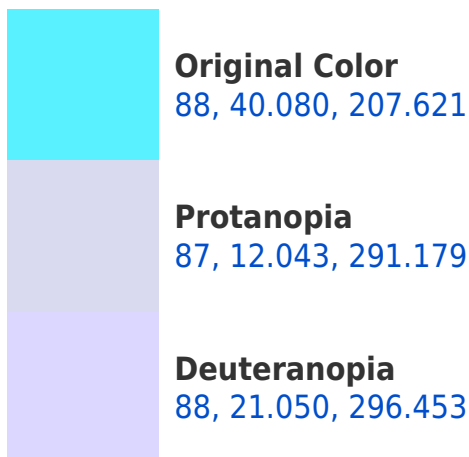


This preview shows how white text looks on a background with the CIELCh color 88, 40.080, 207.621.

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



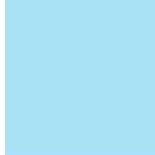


Tritanopia
88, 34.956, 212.209

Trichromacy



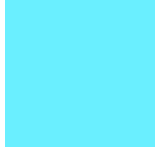
Original Color
88, 40.080, 207.621



Protanomaly
87, 20.147, 228.181



Deuteranomaly
87, 22.535, 245.078

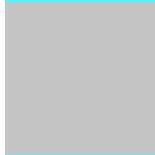


Tritanomaly
88, 36.958, 210.413

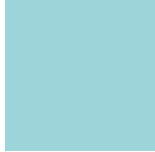
Monochromacy



Original Color
88, 40.080, 207.621



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 18.360, 206.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 40.080, 207.621 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(89, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 241, 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(89, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 241, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 40.080, 207.621 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(89, 241, 255) }
```

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

```
.border{ border-color:rgb(89, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 241,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 40.080, 207.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 241, 255) }
```

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

```
.background{ background-color: rgb(89, 241,  
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