

Converting Colors

CIELCh(88, 38.457, 209.198)

Have a look what the booklet for
CIELCh(88, 38.457, 209.198)
contains.

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Color

CIELCh(88, 38.494, 208.970)

Conversions

Conversions Part 1

Format	Color
Hex	62F0FF
RGB	98, 240, 255
RGB Percent	38%, 94%, 100%
CMY	0.6161, 0.0592, 0.0004
CMYK	0.62, 0.06, 0.00, 0.00
HSL	186°, 100%, 69%
HSV	186°, 62%, 100%
XYZ	54.1890, 72.0653, 105.5770
YIQ	199.2520, -89.4470, -25.4390

Conversions

Conversions Part 2

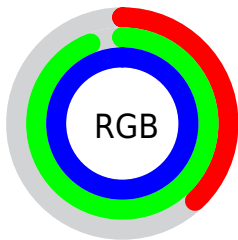
Format	Color
R_{YB}	98, 173, 255
Decimal	6484223
CIE _{Lab}	88.00, -33.68, -18.64
CIE _{LCh}	88, 38.494, 208.970
Yxy	72.0653, 0.2337, 0.3109
Android (android.graphics.Color)	4284674303 (0xFF62F0FF)
YUV	199.2520, 27.4838, -88.7980
Hunter-Lab	84.8913, -34.6170, -14.3135

Details

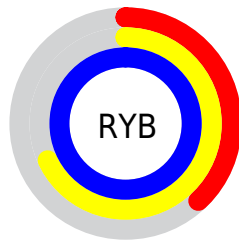
The CIELCh color **88, 38.494, 208.970** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 63.619, 33.474**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **68, 37.863, 208.546** is the 20% darker color. If you saturate the color by 10%, you get **87, 41.546, 209.768**, and if you desaturate by 10%, it is **89, 34.376, 208.417**.

Distribution



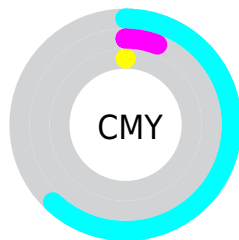
- Red (38%)
- Green (94%)
- Blue (100%)



- Red (38%)
- Yellow (68%)
- Blue (100%)



- Cyan (62%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 38.494, 208.970 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, 38.494, 208.970 by changing the saturation by 10% instead.


 88, 38.494,
208.970


 88, 38.494,
208.970


 100, 38.494,
208.970


 78, 38.494,
208.970

 68, 38.494,
208.970

 58, 38.494,
208.970

 48, 38.494,
208.970

 38, 38.494,
208.970

 28, 38.494,
208.970

 18, 38.494,

208.970

■ 8, 38.494, 208.970

■ 0, 38.494, 208.970

■ 88, 38.494,
208.970

■ 88, 38.494,
208.970

■ 87, 41.546,
209.768

■ 89, 34.376,
208.417

■ 86, 43.524,
210.855

■ 91, 29.265,
208.077

■ 85, 44.494,
212.261

■ 93, 23.269,
207.913

■ 84, 44.710,
213.673

■ 95, 16.519,
207.896

■ 97, 9.150, 208.015

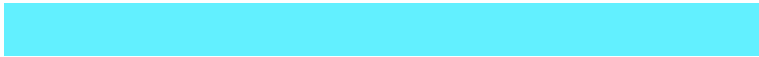
100, 1.292,
208.636

100, 0.039,
108.171

Harmonies

Complementary

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



88, 38.494, 208.970



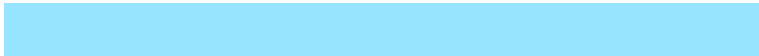
65, 63.619, 33.474

Rectangle

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



88, 38.494, 208.970



88, 38.494, 258.970



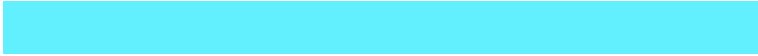
88, 38.494, 28.970



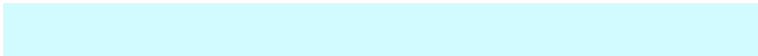
88, 38.494, 78.970

Sweetspot

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



88, 38.493, 208.969



96, 13.938, 207.923



89, 88.758, 141.017



51, 9.593, 207.900



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, 38.493, 208.969



86, 42.132, 210.002



67, 52.114, 277.079



52, 4.513, 208.061



65, 36.069, 213.341



21, 16.758, 211.074

Inverse Universe

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



67, 86.535, 330.682



63, 97.790, 331.311



81, 56.362, 75.368



50, 8.483, 327.665



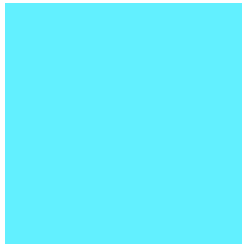
44, 86.347, 332.452



12, 40.084, 331.897

Previews

White Background



This preview shows how the CIE LCh color 88, 38.494, 208.970 looks on a white background.

Color Contrast Check

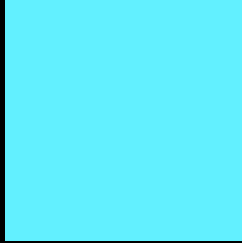
Large Text (above 18pt) WCAG AA × Fail

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, 38.494, 208.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

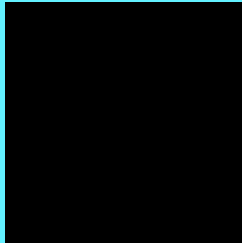
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 38.494, 208.970

Background



This preview shows how black text looks on a background with the CIELCh color 88, 38.494, 208.970.

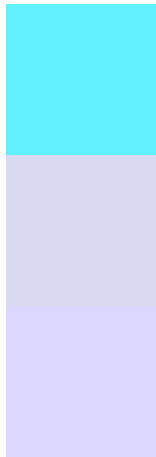


This preview shows how white text looks on a background with the CIELCh color 88, 38.494, 208.970.

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, 38.494, 208.970

Protanopia

88, 12.032, 289.540

Deuteranopia

88, 21.050, 296.453

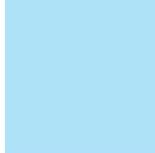


Tritanopia
88, 34.207, 213.523

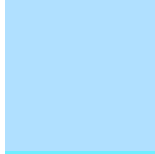
Trichromacy



Original Color
88, 38.494, 208.970



Protanomaly
87, 19.372, 231.400



Deuteranomaly
87, 21.758, 247.298

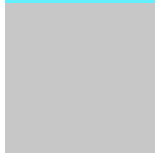


Tritanomaly
88, 35.882, 211.765

Monochromacy



Original Color
88, 38.494, 208.970



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 17.456, 207.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 38.494, 208.970 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(98, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 240, 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(98, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 38.494, 208.970 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(98, 240, 255) }
```

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

```
.border{ border-color:rgb(98, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 38.494, 208.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 240, 255) }
```

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

```
.background{ background-color: rgb(98, 240,  
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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