

Converting Colors

CIELCh(88, 37.753, 209.602)

Have a look what the booklet for
CIELCh(88, 37.753, 209.602)
contains.

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Color

CIELCh(88, 37.839, 209.216)

Conversions

Conversions Part 1

Format	Color
Hex	66F0FF
RGB	102, 240, 255
RGB Percent	40%, 94%, 100%
CMY	0.6019, 0.0604, 0.0016
CMYK	0.60, 0.06, 0.00, 0.00
HSL	186°, 99%, 70%
HSV	186°, 60%, 100%
XYZ	54.4451, 72.0653, 105.2968
YIQ	200.4480, -87.0630, -24.5910

Conversions

Conversions Part 2

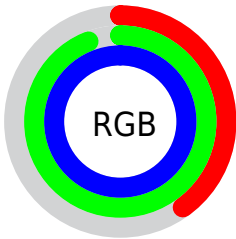
Format	Color
RYB	102, 175, 255
Decimal	6746367
CIELab	88.00, -33.03, -18.47
CIELCh	88, 37.839, 209.216
Yxy	72.0653, 0.2349, 0.3109
Android (android.graphics.Color)	4284936447 (0xFF66F0FF)
YUV	200.4480, 26.8941, -86.3389
Hunter-Lab	84.8913, -34.0785, -14.1178

Details

The CIELCh color **88, 37.839, 209.216** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 61.665, 33.359**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **68, 37.863, 208.546** is the 20% darker color. If you saturate the color by 10%, you get **87, 41.042, 210.004**, and if you desaturate by 10%, it is **90, 33.581, 208.673**.

Distribution



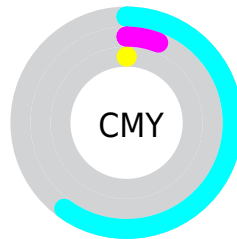
- Red (40%)
- Green (94%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 37.839, 209.216 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, 37.839, 209.216 by changing the saturation by 10% instead.


 88, 37.839,
209.216


 88, 37.839,
209.216


 100, 37.839,
209.216


 78, 37.839,
209.216

 68, 37.839,
209.216

 58, 37.839,
209.216

 48, 37.839,
209.216

 38, 37.839,
209.216

 28, 37.839,
209.216

 18, 37.839,

209.216

■ 8, 37.839, 209.216

■ 0, 37.839, 209.216

■ 88, 37.839,
209.216

■ 88, 37.839,
209.216

■ 87, 41.042,
210.004

■ 90, 33.581,
208.673

■ 86, 43.170,
211.082

■ 91, 28.347,
208.341

■ 85, 44.279,
212.483

■ 93, 22.250,
208.184

■ 84, 44.581,
214.174

■ 95, 15.421,
208.174

■ 97, 7.996, 208.303

100, 0.101,
215.019

100, 0.199,
109.775

Harmonies

Complementary

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



88, 37.839, 209.216



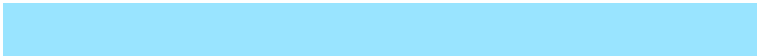
66, 61.665, 33.359

Rectangle

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



88, 37.839, 209.216



88, 37.839, 259.216



88, 37.839, 29.216



88, 37.839, 79.216

Sweetspot

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



88, 37.838, 209.214



96, 13.908, 208.189



90, 86.897, 141.210



50, 9.573, 208.170



0, 0.000, 0.000



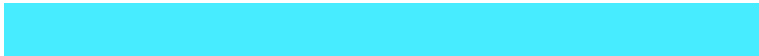
53, 0.007, 296.813

Same Dimension

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



88, 37.838, 209.214



87, 41.576, 210.184



67, 50.798, 276.593



52, 4.504, 208.317



65, 35.999, 213.834



21, 16.725, 211.496

Inverse Universe

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



67, 84.723, 330.691



63, 96.100, 331.307



81, 54.905, 75.595



50, 8.469, 327.740



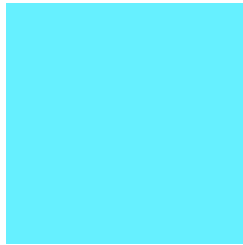
44, 86.181, 332.573



12, 40.016, 332.000

Previews

White Background



This preview shows how the CIE LCh color 88, 37.839, 209.216 looks on a white background.

Color Contrast Check

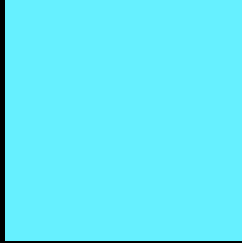
Large Text (above 18pt) WCAG AA × Fail

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, 37.839, 209.216 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, 37.839, 209.216

Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.839, 209.216.

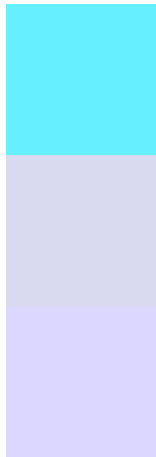


This preview shows how white text looks on a background with the CIELCh color 88, 37.839, 209.216.

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, 37.839, 209.216

Protanopia
88, 11.510, 289.420

Deuteranopia
88, 21.050, 296.453

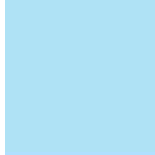


Tritanopia
88, 34.013, 213.629

Trichromacy



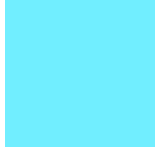
Original Color
88, 37.839, 209.216



Protanomaly
87, 18.895, 230.440



Deuteranomaly
87, 21.567, 247.882

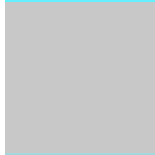


Tritanomaly
88, 35.516, 211.938

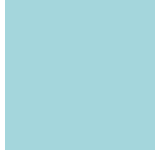
Monochromacy



Original Color
88, 37.839, 209.216



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 16.889, 209.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 37.839, 209.216 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(102, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 37.839, 209.216 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(102, 240, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 37.839, 209.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 240, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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