

Converting Colors

CIELCh(89, 37.667, 208.237)

Have a look what the booklet for
CIELCh(89, 37.667, 208.237)
contains.

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Color

CIELCh(89, 37.579, 207.645)

Conversions

Conversions Part 1

Format	Color
Hex	6BF3FF
RGB	107, 243, 255
RGB Percent	42%, 95%, 100%
CMY	0.5820, 0.0490, 0.0000
CMYK	0.58, 0.05, 0.00, 0.00
HSL	185°, 100%, 71%
HSV	185°, 58%, 100%
XYZ	56.0524, 74.1641, 106.4045
YIQ	203.7040, -84.9080, -25.1000

Conversions

Conversions Part 2

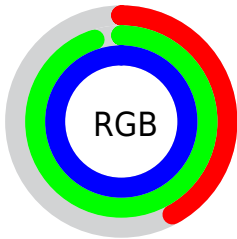
Format	Color
RYB	107, 178, 255
Decimal	7074815
CIELab	89.00, -33.29, -17.44
CIELCh	89, 37.579, 207.645
Yxy	74.1641, 0.2369, 0.3134
Android (android.graphics.Color)	4285264895 (0xFF6BF3FF)
YUV	203.7040, 25.2889, -84.8094
Hunter-Lab	86.1186, -34.5264, -12.9732

Details

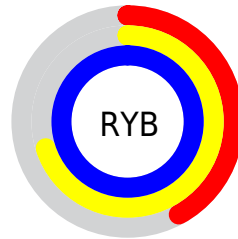
The CIELCh color **89, 37.579, 207.645** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 59.974, 32.124**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **69, 37.539, 206.905** is the 20% darker color. If you saturate the color by 10%, you get **88, 41.043, 207.795**, and if you desaturate by 10%, it is **90, 33.080, 206.840**.

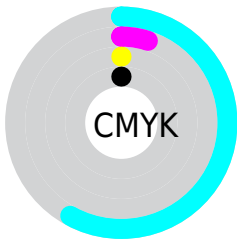
Distribution



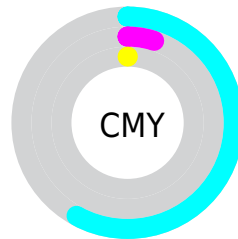
- Red (42%)
- Green (95%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 37.579, 207.645 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 89, 37.579, 207.645 by changing the saturation by 10% instead.

■ 89, 37.579,
207.645

■ 89, 37.579,
207.645

■ 100, 37.579,
207.645

■ 79, 37.579,
207.645

■ 69, 37.579,
207.645

■ 59, 37.579,
207.645

■ 49, 37.579,
207.645

■ 39, 37.579,
207.645

■ 29, 37.579,
207.645

■ 19, 37.579,

207.645

■ 9, 37.579, 207.645

■ 0, 37.579, 207.645

■ 89, 37.579,
207.645

■ 89, 37.579,
207.645

■ 88, 41.043,
207.795

■ 90, 33.080,
206.840

■ 87, 43.406,
208.622

■ 92, 27.601,
206.649

■ 86, 44.720,
209.723

■ 94, 21.270,
206.610

■ 85, 45.132,
211.109

■ 96, 14.223,
206.701

■ 85, 45.162,

■ 98, 6.596, 206.927

211.374

100, 0.012,
296.813

Harmonies

Complementary

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



89, 37.579, 207.645



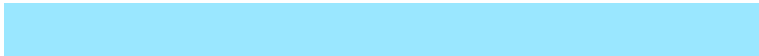
66, 59.974, 32.124

Rectangle

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



89, 37.579, 207.645



89, 37.579, 257.645



89, 37.579, 27.645



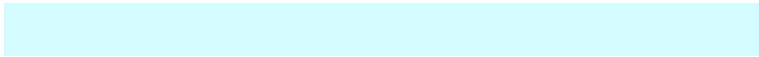
89, 37.579, 77.645

Sweetspot

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



89, 37.589, 207.212



96, 13.338, 206.720



90, 84.638, 141.459



51, 8.864, 206.689



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 37.589, 207.212



88, 41.549, 207.925



68, 49.213, 275.977



52, 4.559, 206.886



65, 36.424, 211.089



22, 16.920, 209.139

Inverse Universe

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



68, 83.460, 330.104



64, 95.356, 330.686



82, 53.135, 75.886



50, 8.551, 327.321



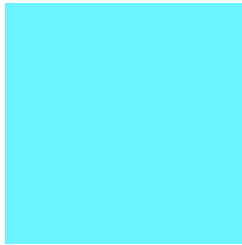
45, 87.125, 331.901



12, 40.402, 331.423

Previews

White Background



This preview shows how the CIE LCh color 89, 37.579, 207.645 looks on a white background.

Color Contrast Check

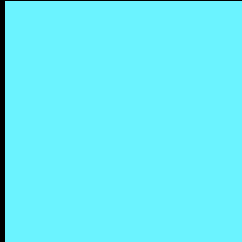
Large Text (above 18pt) WCAG AA × Fail

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 89, 37.579, 207.645 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 89, 37.579, 207.645

Background



This preview shows how black text looks on a background with the CIELCh color 89, 37.579, 207.645.

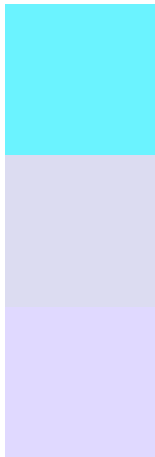


This preview shows how white text looks on a background with the CIELCh color 89, 37.579, 207.645.

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
89, 37.627, 206.800

Protanopia
88, 10.969, 291.083

Deuteranopia
88, 20.049, 298.538

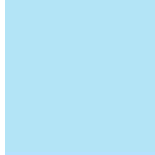


Tritanopia
89, 30.872, 214.453

Trichromacy



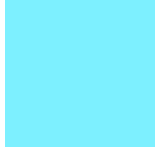
Original Color
89, 37.627, 206.800



Protanomaly
88, 18.152, 229.908



Deuteranomaly
88, 20.455, 246.873

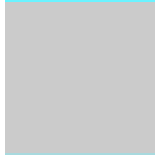


Tritanomaly
89, 33.562, 211.019

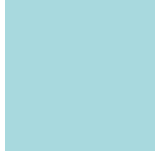
Monochromacy



Original Color
89, 37.627, 206.800



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 16.526, 207.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 37.579, 207.645 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(107, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 243, 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(107, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 37.579, 207.645 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(107, 243, 255) }
```

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

```
.border{ border-color:rgb(107, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 37.579, 207.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 243, 255) }
```

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

```
.background{ background-color: rgb(107,  
243, 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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