

Converting Colors

CIELCh(89, 38.448, 206.683)

Have a look what the booklet for
CIELCh(89, 38.448, 206.683)
contains.

| | |
|--|----|
| CIELCh(89, 38.487, 206.534) | 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(89, 38.487, 206.534)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66F3FF |
| RGB | 102, 243, 255 |
| RGB Percent | 40%, 95%, 100% |
| CMY | 0.5999, 0.0469, 0.0000 |
| CMYK | 0.60, 0.05, 0.00, 0.00 |
| HSL | 185°, 100%, 70% |
| HSV | 185°, 60%, 100% |
| XYZ | 55.5948, 74.1641, 106.0140 |
| YIQ | 202.2090, -87.8880, -26.1600 |

Conversions

Conversions Part 2

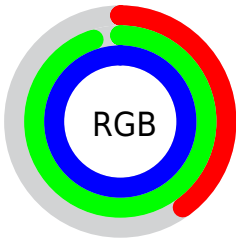
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 175, 255 |
| Decimal | 6747135 |
| CIELab | 89.00, -34.43, -17.19 |
| CIELCh | 89, 38.487, 206.534 |
| Yxy | 74.1641, 0.2358, 0.3146 |
| Android (android.graphics.Color) | 4284937215 (0xFF66F3FF) |
| YUV | 202.2090, 26.0260, -87.8833 |
| Hunter-Lab | 86.1186, -35.4749, -12.7044 |

Details

The CIELCh color **89, 38.487, 206.534** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 62.391, 32.097**, 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 **69, 38.276, 206.656** is the 20% darker color. If you saturate the color by 10%, you get **88, 41.765, 207.068**, and if you desaturate by 10%, it is **90, 34.139, 206.158**.

Distribution



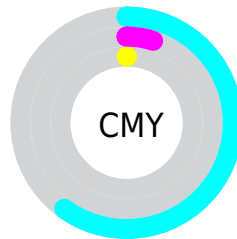
- Red (40%)
- Green (95%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 38.487, 206.534 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, 38.487, 206.534 by changing the saturation by 10% instead.

 89, 38.487,
206.534

 89, 38.487,
206.534


 100, 38.487,
206.534

 79, 38.487,
206.534

 69, 38.487,
206.534

 59, 38.487,
206.534

 49, 38.487,
206.534

 39, 38.487,
206.534


 29, 38.487,
206.534

 19, 38.487,

206.534


 9, 38.487, 206.534


 0, 38.487, 206.534


 89, 38.487,
206.534


 89, 38.487,
206.534


 88, 41.765,
207.068


 90, 34.139,
206.158


 87, 43.950,
207.861

 92, 28.797,
205.982

 86, 45.096,
208.914

 94, 22.577,
205.954

 85, 45.412,
210.216

 96, 15.611,
206.054

 85, 45.412,

 98, 8.038, 206.278

210.218

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, 38.487, 206.534



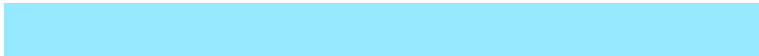
65, 62.391, 32.097

Rectangle

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



89, 38.487, 206.534



89, 38.487, 256.534



89, 38.487, 26.534



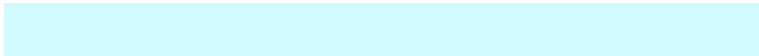
89, 38.487, 76.534

Sweetspot

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



89, 38.487, 206.511



96, 14.152, 206.088



90, 87.775, 140.791



51, 9.740, 206.040



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

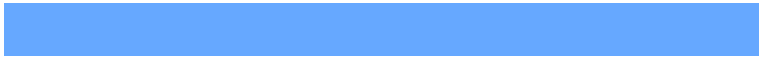
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 38.487, 206.511



88, 42.292, 207.208



68, 49.512, 275.019



52, 4.583, 206.294



66, 36.625, 209.956



22, 17.009, 208.165

Inverse Universe

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



67, 85.810, 329.993



63, 97.403, 330.561



81, 54.512, 74.078



50, 8.585, 327.146



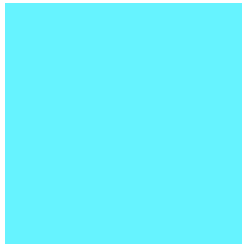
45, 87.526, 331.623



12, 40.566, 331.184

Previews

White Background



This preview shows how the CIE LCh color 89, 38.487, 206.534 looks on a white background.

Color Contrast Check

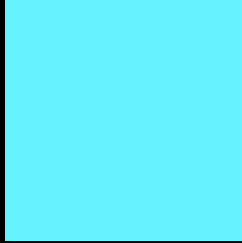
Large Text (above 18pt) WCAG AA × Fail

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, 38.487, 206.534 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, 38.487, 206.534

Background



This preview shows how black text looks on a background with the CIELCh color 89, 38.487, 206.534.



This preview shows how white text looks on a background with the CIELCh color 89, 38.487, 206.534.

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



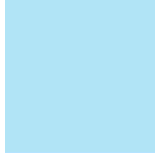


Tritanopia
89, 31.263, 213.188

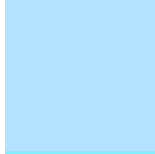
Trichromacy



Original Color
89, 38.487, 206.534



Protanomaly
88, 18.661, 228.933



Deuteranomaly
88, 20.506, 244.495

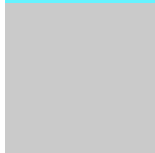


Tritanomaly
89, 33.967, 210.831

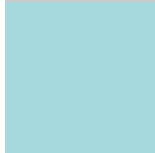
Monochromacy



Original Color
89, 38.487, 206.534



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 17.114, 205.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 38.487, 206.534 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 38.487, 206.534 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, 243, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 38.487, 206.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 243, 255) }
```

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

```
.background{ background-color: rgb(102,  
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](#).

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