

Converting Colors

CIELCh(89, 36.503, 197.089)

Have a look what the booklet for
CIELCh(89, 36.503, 197.089)
contains.

CIELCh(89, 36.509, 197.098)	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, 36.509, 197.098)

Conversions

Conversions Part 1

Format	Color
Hex	75F3F3
RGB	117, 243, 243
RGB Percent	46%, 95%, 95%
CMY	0.5422, 0.0481, 0.0481
CMYK	0.52, 0.00, 0.00, 0.05
HSL	180°, 84%, 70%
HSV	180°, 52%, 95%
XYZ	55.4106, 74.1641, 95.9845
YIQ	205.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

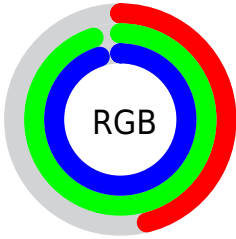
Format	Color
R_{YB}	117, 180, 243
Decimal	7730163
CIE _{Lab}	89.00, -34.90, -10.73
CIE _{LCh}	89, 36.509, 197.098
Yxy	74.1641, 0.2457, 0.3288
Android (android.graphics.Color)	4285920243 (0xFF75F3F3)
YUV	205.3260, 18.5733, -77.4619
Hunter-Lab	86.1186, -35.8567, -5.7993

Details

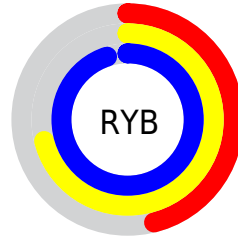
The CIELCh color **89, 36.509, 197.098** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 53.639, 25.636**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **69, 36.340, 197.503** is the 20% darker color. If you saturate the color by 10%, you get **88, 40.912, 196.827**, and if you desaturate by 10%, it is **90, 31.094, 197.432**.

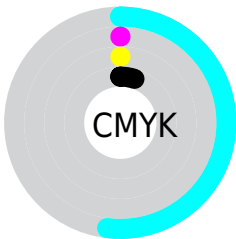
Distribution



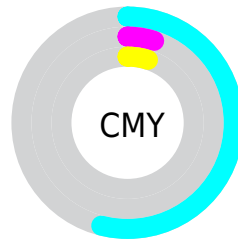
- Red (46%)
- Green (95%)
- Blue (95%)



- Red (46%)
- Yellow (71%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (54%)
- Magenta (5%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 36.509, 197.098 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, 36.509, 197.098 by changing the saturation by 10% instead.


 89, 36.509,
197.098

 89, 36.509,
197.098


 100, 36.509,
197.098


 79, 36.509,
197.098

 69, 36.509,
197.098

 59, 36.509,
197.098

 49, 36.509,
197.098

 39, 36.509,
197.098


 29, 36.509,
197.098


 19, 36.509,


197.098


 9, 36.509, 197.098

 0, 36.509, 197.098


 89, 36.509,
197.098

 89, 36.509,
197.098


 88, 40.912,
196.827

 90, 31.094,
197.432

 88, 44.247,
196.626

 91, 24.766,
197.832

 87, 46.517,
196.490

 92, 17.653,
198.293

 87, 47.798,
196.414

 94, 9.894, 198.821

 87, 48.281,

 95, 1.627, 199.690

196.385

97, 4.359, 19.548

97, 4.359, 19.547

97, 4.359, 19.546

97, 4.359, 19.545

Harmonies

Complementary

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



89, 36.509, 197.098



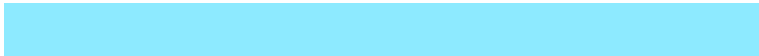
64, 53.639, 25.636

Rectangle

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



89, 36.509, 197.098



89, 36.509, 247.098



89, 36.509, 17.098



89, 36.509, 67.098

Sweetspot

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



89, 36.509, 197.096



97, 13.668, 198.593



87, 77.292, 139.778



52, 9.170, 198.485



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, 36.509, 197.096



92, 42.567, 196.821



72, 36.875, 263.691



50, 4.783, 198.965



69, 39.561, 196.385



22, 17.589, 196.386

Inverse Universe

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



64, 53.639, 25.636



62, 68.218, 28.235



77, 43.693, 67.203



48, 5.080, 19.940



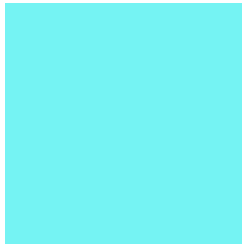
39, 82.550, 39.999



8, 31.025, 25.007

Previews

White Background



This preview shows how the CIE LCh color 89, 36.509, 197.098 looks on a white background.

Color Contrast Check

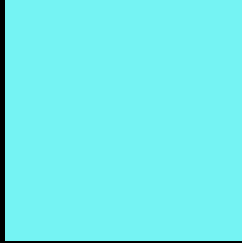
Large Text (above 18pt) WCAG AA × Fail

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, 36.509, 197.098 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, 36.509, 197.098

Background



This preview shows how black text looks on a background with the CIELCh color 89, 36.509, 197.098.



This preview shows how white text looks on a background with the CIELCh color 89, 36.509, 197.098.

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](#).

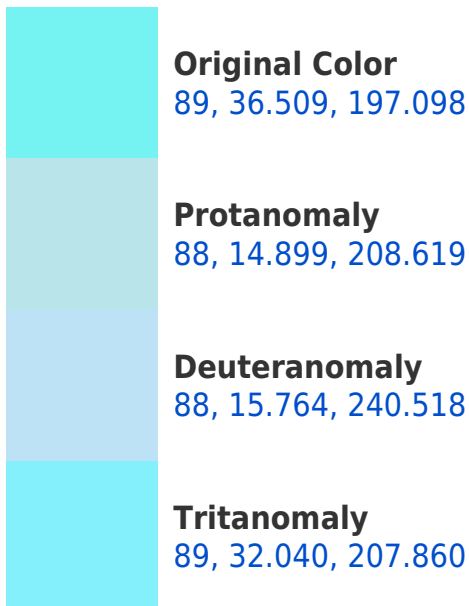
Dichromacy



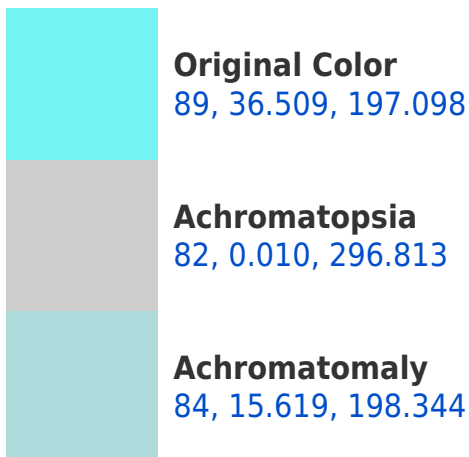


Tritanopia
89, 29.763, 215.161

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 36.509, 197.098 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(117, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(117, 243, 243)  
}
```

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(117, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 243, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 36.509, 197.098 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(117, 243, 243) }
```

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

```
.border{ border-color:rgb(117, 243, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(117, 243,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 36.509, 197.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 243, 243) }
```

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

```
.background{ background-color: rgb(117,  
243, 243) }
```

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