

Converting Colors

CIELCh(89, 39.595, 198.512)

Have a look what the booklet for
CIELCh(89, 39.595, 198.512)
contains.

CIELCh(89, 39.520, 198.462)	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, 39.520, 198.462)

Conversions

Conversions Part 1

Format	Color
Hex	65F4F6
RGB	101, 244, 246
RGB Percent	40%, 96%, 96%
CMY	0.6036, 0.0429, 0.0351
CMYK	0.59, 0.01, 0.00, 0.04
HSL	181°, 89%, 68%
HSV	181°, 59%, 96%
XYZ	54.3860, 74.1641, 98.6839
YIQ	201.4710, -85.8700, -29.6940

Conversions

Conversions Part 2

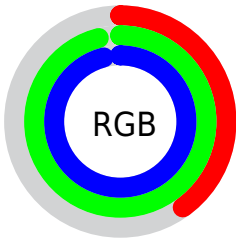
Format	Color
RYB	101, 173, 246
Decimal	6681846
CIELab	89.00, -37.49, -12.52
CIElCh	89, 39.520, 198.462
Yxy	74.1641, 0.2393, 0.3264
Android (android.graphics.Color)	4284871926 (0xFF65F4F6)
YUV	201.4710, 21.9528, -88.1131
Hunter-Lab	86.1186, -37.9805, -7.6578

Details

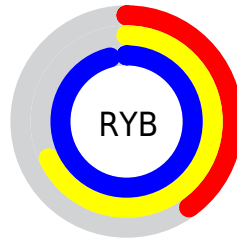
The CIELCh color **89, 39.520, 198.462** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **62, 62.007, 28.094**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **69, 39.279, 198.876** is the 20% darker color. If you saturate the color by 10%, you get **88, 43.129, 198.355**, and if you desaturate by 10%, it is **90, 34.846, 198.653**.

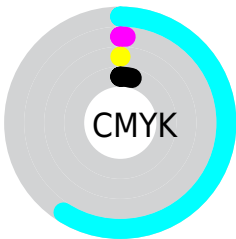
Distribution



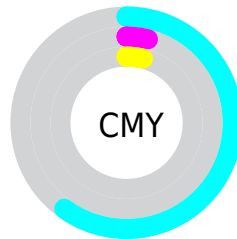
- Red (40%)
- Green (96%)
- Blue (96%)



- Red (40%)
- Yellow (68%)
- Blue (96%)



- Cyan (59%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (60%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 39.520, 198.462 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, 39.520, 198.462 by changing the saturation by 10% instead.


 89, 39.520,
198.462

 89, 39.520,
198.462

 100, 39.520,
198.462

 79, 39.520,
198.462

 69, 39.520,
198.462

 59, 39.520,
198.462

 49, 39.520,
198.462

 39, 39.520,
198.462

 29, 39.520,
198.462

 19, 39.520,


198.462


 9, 39.520, 198.462


 0, 39.520, 198.462


 89, 39.520,
198.462


 89, 39.520,
198.462


 88, 43.129,
198.355

 90, 34.846,
198.653


 88, 45.653,
198.341

 91, 29.180,
198.927

 87, 47.144,
198.415

 92, 22.634,
199.278

 87, 47.770,
198.569

 94, 15.342,
199.700

 87, 47.817,

 95, 7.445, 200.207

198.587

97, 0.922, 19.925

98, 3.035, 23.002

98, 2.929, 26.504

98, 2.835, 30.253

Harmonies

Complementary

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



89, 39.520, 198.462



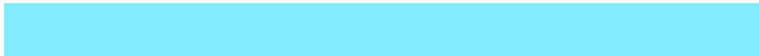
62, 62.007, 28.094

Rectangle

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



89, 39.520, 198.462



89, 39.520, 248.462



89, 39.520, 18.462



89, 39.520, 68.462

Sweetspot

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



89, 39.520, 198.460



97, 15.066, 199.741



87, 87.544, 139.289



51, 10.371, 199.608



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, 39.520, 198.460



91, 44.980, 198.344



69, 42.946, 267.800



50, 4.716, 200.174



68, 38.794, 198.549



21, 17.292, 198.257

Inverse Universe

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



66, 85.852, 327.841



64, 100.906, 328.268



76, 51.041, 67.924



48, 8.677, 325.314



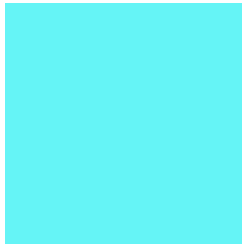
44, 90.250, 328.787



11, 40.183, 328.713

Previews

White Background



This preview shows how the CIE LCh color 89, 39.520, 198.462 looks on a white background.

Color Contrast Check

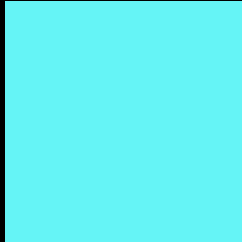
Large Text (above 18pt) WCAG AA × Fail

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, 39.520, 198.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

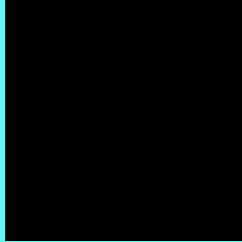
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 39.520, 198.462

Background



This preview shows how black text looks on a background with the CIELCh color 89, 39.520, 198.462.

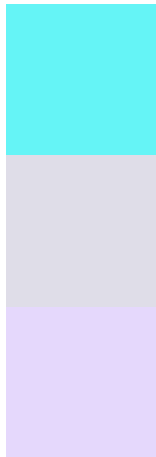


This preview shows how white text looks on a background with the CIELCh color 89, 39.520, 198.462.

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, 39.520, 198.462

Protanopia

89, 5.798, 297.630

Deuteranopia

88, 19.405, 304.871



Tritanopia
89, 30.872, 214.453

Trichromacy



Original Color
89, 39.520, 198.462



Protanomaly
88, 16.896, 212.783



Deuteranomaly
88, 18.590, 241.397

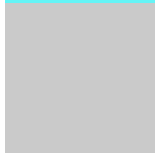


Tritanomaly
89, 33.949, 208.074

Monochromacy



Original Color
89, 39.520, 198.462



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 17.464, 199.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 39.520, 198.462 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(101, 244, 246)` looks like.

```
.text, #text, p{  
    color:rgb(101, 244, 246)  
}
```

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(101, 244, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 244, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 39.520, 198.462 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(101, 244, 246) }
```

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

```
.border{ border-color:rgb(101, 244, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 244, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 244, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 244, 246);  
box-shadow:4px 4px 4px 4px rgb(101, 244,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 39.520, 198.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 244, 246) }
```

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

```
.background{ background-color: rgb(101,  
244, 246) }
```

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