

Converting Colors

CIELCh(90, 39.713, 217.507)

Have a look what the booklet for
CIELCh(90, 39.713, 217.507)
contains.

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Color

CIELCh(89, 39.616, 204.637)

Conversions

Conversions Part 1

Format	Color
Hex	60F4FE
RGB	96, 244, 254
RGB Percent	38%, 96%, 100%
CMY	0.6218, 0.0443, 0.0051
CMYK	0.62, 0.04, 0.00, 0.01
HSL	184°, 98%, 69%
HSV	184°, 62%, 99%
XYZ	54.9684, 74.1641, 104.9290
YIQ	200.8880, -91.4180, -28.2660

Conversions

Conversions Part 2

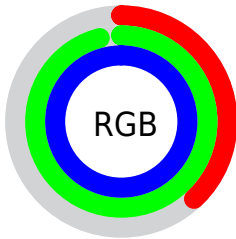
Format	Color
R_{YB}	96, 172, 254
Decimal	6354174
CIE _{Lab}	89.00, -36.01, -16.51
CIE _{LCh}	89, 39.616, 204.637
Yxy	74.1641, 0.2348, 0.3169
Android (android.graphics.Color)	4284544254 (0xFF60F4FE)
YUV	200.8880, 26.1842, -91.9868
Hunter-Lab	86.1186, -36.7733, -11.9573

Details

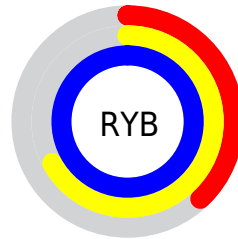
The CIELCh color **89, 39.616, 204.637** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 65.184, 31.638**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **69, 38.566, 204.859** is the 20% darker color. If you saturate the color by 10%, you get **88, 42.715, 205.069**, and if you desaturate by 10%, it is **90, 35.431, 204.382**.

Distribution



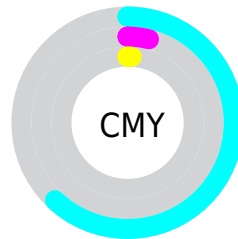
- Red (38%)
- Green (96%)
- Blue (100%)



- Red (38%)
- Yellow (67%)
- Blue (100%)



- Cyan (62%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)





- Cyan (62%)
- Magenta (4%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 39.616, 204.637 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, 39.616, 204.637 by changing the saturation by 10% instead.


 89, 39.616,
204.637

 89, 39.616,
204.637


 100, 39.616,
204.637


 79, 39.616,
204.637

 69, 39.616,
204.637

 59, 39.616,
204.637

 49, 39.616,
204.637

 39, 39.616,
204.637

 29, 39.616,
204.637

 19, 39.616,

204.637

■ 9, 39.616, 204.637

■ 0, 39.616, 204.637

■ 89, 39.616,
204.637

■ 89, 39.616,
204.637

■ 88, 42.715,
205.069

■ 90, 35.431,
204.382

■ 87, 44.722,
205.704

■ 92, 30.228,
204.286

■ 86, 45.708,
206.557

■ 93, 24.114,
204.325

■ 86, 45.930,
207.382

■ 95, 17.221,
204.480

■ 97, 9.688, 204.745

99, 1.648, 205.387

100, 0.644,
109.696

100, 0.649,
110.010

Harmonies

Complementary

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



89, 39.616, 204.637



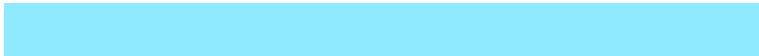
64, 65.184, 31.638

Rectangle

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



89, 39.616, 204.637



89, 39.616, 254.637



89, 39.616, 24.637



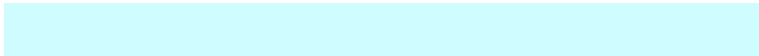
89, 39.616, 74.637

Sweetspot

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



89, 39.615, 204.636



96, 15.093, 204.547



89, 90.762, 140.116



51, 10.288, 204.483



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, 39.615, 204.636



88, 43.378, 205.181



68, 49.706, 274.087



52, 4.645, 204.832



67, 37.182, 207.180



22, 17.252, 205.776

Inverse Universe

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



66, 88.501, 329.585



63, 99.957, 330.103



79, 55.919, 72.226



50, 8.673, 326.715



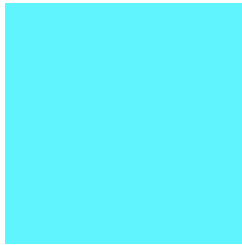
45, 88.544, 330.942



12, 40.980, 330.596

Previews

White Background



This preview shows how the CIE LCh color 89, 39.616, 204.637 looks on a white background.

Color Contrast Check

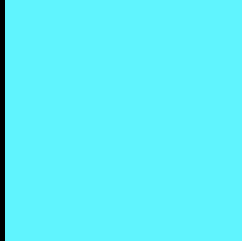
Large Text (above 18pt) WCAG AA × Fail

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, 39.616, 204.637 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, 39.616, 204.637

Background



This preview shows how black text looks on a background with the CIELCh color 89, 39.616, 204.637.

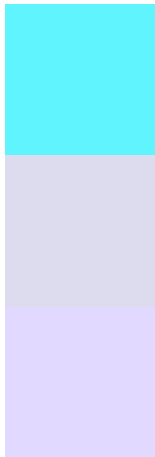


This preview shows how white text looks on a background with the CIELCh color 89, 39.616, 204.637.

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, 39.742, 204.605

Protanopia
88, 9.936, 292.996

Deuteranopia
88, 20.095, 299.495

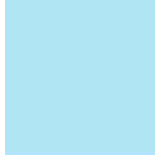


Tritanopia
89, 31.480, 213.065

Trichromacy



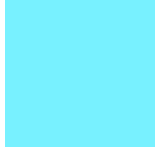
Original Color
89, 39.742, 204.605



Protanomaly
88, 18.606, 223.461



Deuteranomaly
88, 20.917, 243.332

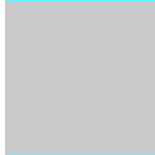


Tritanomaly
89, 34.766, 209.565

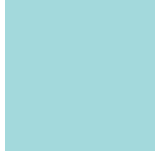
Monochromacy



Original Color
89, 39.742, 204.605



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 18.024, 203.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 39.616, 204.637 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(96, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(96, 244, 254)  
}
```

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(96, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 244, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 39.616, 204.637 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(96, 244, 254) }
```

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

```
.border{ border-color:rgb(96, 244, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(96, 244,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 39.616, 204.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 244, 254) }
```

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

```
.background{ background-color: rgb(96, 244,  
254) }
```

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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