

# Converting Colors

CIELCh(89, 30.828, 196.758)

Have a look what the booklet for  
CIELCh(89, 30.828, 196.758)  
contains.

<b>CIELCh(89, 30.760, 196.452)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIElCh(89, 30.760, 196.452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CF0EF
RGB	140, 240, 239
RGB Percent	55%, 94%, 94%
CMY	0.4508, 0.0586, 0.0625
CMYK	0.42, 0.00, 0.00, 0.06
HSL	179°, 77%, 75%
HSV	179°, 42%, 94%
XYZ	57.5855, 74.1641, 92.9798
YIQ	209.9860, -59.2790, -21.5110

# Conversions

## Conversions Part 2

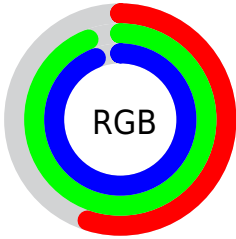
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 190, 240
Decimal	9236719
CIE <sub>Lab</sub>	89.00, -29.50, -8.71
CIE <sub>LCh</sub>	89, 30.760, 196.452
Yxy	74.1641, 0.2562, 0.3300
Android (android.graphics.Color)	4287426799 (0xFF8CF0EF)
YUV	209.9860, 14.3039, -61.3777
Hunter-Lab	86.1186, -31.3488, -3.7307

# Details

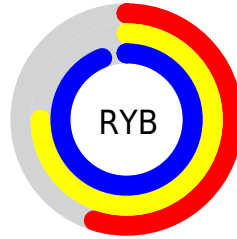
The CIELCh color **89, 30.760, 196.452** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 41.257, 22.897**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **69, 30.979, 195.964** is the 20% darker color. If you saturate the color by 10%, you get **88, 36.197, 196.052**, and if you desaturate by 10%, it is **90, 24.430, 196.901**.

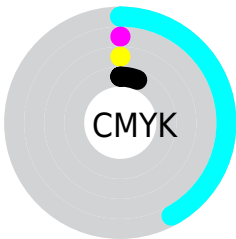
# Distribution



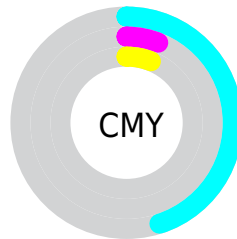
- Red (55%)
- Green (94%)
- Blue (94%)



- Red (55%)
- Yellow (75%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)




- Cyan (45%)
- Magenta (6%)
- Yellow (6%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 30.760, 196.452 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, 30.760, 196.452 by changing the saturation by 10% instead.





 89, 30.760,  
196.452

 89, 30.760,  
196.452


 100, 30.760,  
196.452


 79, 30.760,  
196.452

 69, 30.760,  
196.452

 59, 30.760,  
196.452

 49, 30.760,  
196.452

 39, 30.760,  
196.452

 29, 30.760,  
196.452


 19, 30.760,


196.452


 9, 30.760, 196.452


 0, 30.760, 196.452


 89, 30.760,  
196.452

 89, 30.760,  
196.452

 88, 36.197,  
196.052


 90, 24.430,  
196.901

 87, 40.637,  
195.709

 91, 17.334,  
197.405

 87, 44.023,  
195.419

 93, 9.611, 197.969

 87, 46.352,  
195.178

 95, 1.398, 198.925

 96, 5.339, 18.545

 86, 47.695,

194.979

96, 5.341, 17.229

86, 48.234,  
194.834

96, 5.347, 15.914

96, 5.356, 14.603

96, 5.367, 13.296

# Harmonies

# Complementary

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



89, 30.760, 196.452



69, 41.257, 22.897

# Rectangle

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



89, 30.760, 196.452



89, 30.760, 246.452



89, 30.760, 16.452



89, 30.760, 66.452

# Sweetspot

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



89, 30.760, 196.450



98, 10.379, 197.946



87, 62.474, 140.851



52, 6.860, 197.867



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, 30.760, 196.450



93, 37.103, 196.108



76, 29.659, 260.900



49, 4.705, 198.105



68, 39.445, 194.860



21, 17.201, 195.070



# Inverse Universe

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



69, 41.257, 22.897



68, 53.323, 24.535



80, 33.894, 68.480



47, 4.991, 19.127



38, 81.240, 39.582

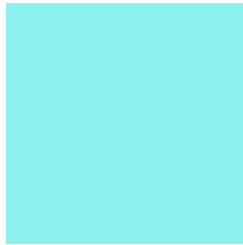


8, 29.781, 23.406



# Previews

## White Background



This preview shows how the CIE LCh color 89, 30.760, 196.452 looks on a white background.

## Color Contrast Check

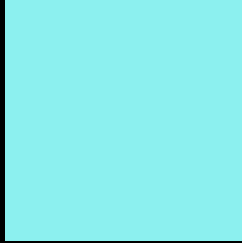
Large Text (above 18pt) WCAG AA × Fail

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, 30.760, 196.452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

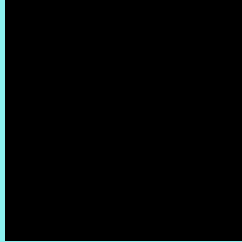
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 89, 30.760, 196.452**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 30.760, 196.452.

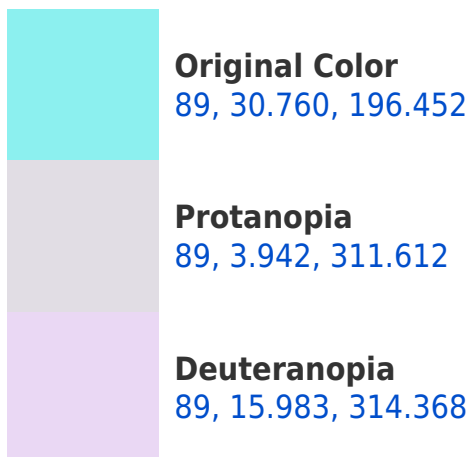


This preview shows how white text looks on a background with the CIELCh color 89, 30.760, 196.452.


# 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





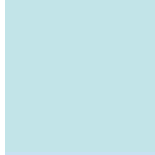


**Tritanopia**  
89, 27.544, 217.927

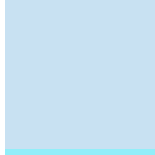
# Trichromacy



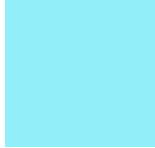
**Original Color**  
89, 30.760, 196.452



**Protanomaly**  
88, 11.713, 208.995



**Deuteranomaly**  
88, 12.049, 246.644

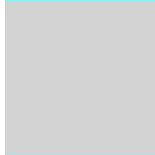


**Tritanomaly**  
89, 28.329, 209.461

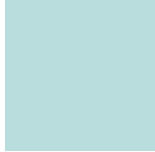
# Monochromacy



**Original Color**  
89, 30.760, 196.452



**Achromatopsia**  
84, 0.010, 296.813



**Achromatomaly**  
86, 12.384, 198.585

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 30.760, 196.452 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(140, 240, 239)` looks like.

```
.text, #text, p{  
    color:rgb(140, 240, 239)  
}
```

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(140, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 240, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 30.760, 196.452 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(140, 240, 239) }
```

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

```
.border{ border-color:rgb(140, 240, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 240, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 240, 239);  
box-shadow:4px 4px 4px 4px rgb(140, 240,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 30.760, 196.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 240, 239) }
```

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

```
.background{ background-color: rgb(140,  
240, 239) }
```

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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