

Converting Colors

CIELCh(87, 78.089, 230.956)

Have a look what the booklet for
CIELCh(87, 78.089, 230.956)
contains.

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Color

CIELCh(89, 48.205, 200.877)

Conversions

Conversions Part 1

Format	Color
Hex	00F8FF
RGB	0, 248, 255
RGB Percent	0%, 97%, 100%
CMY	1.0000, 0.0285, 0.0010
CMYK	1.00, 0.03, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	51.4705, 74.1641, 105.9903
YIQ	174.6460, -150.0550, -50.3990

Conversions

Conversions Part 2

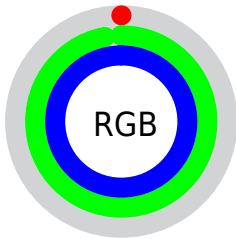
Format	Color
RYB	0, 126, 255
Decimal	63743
CIELab	89.00, -45.04, -17.18
CIELCh	89, 48.205, 200.877
Yxy	74.1641, 0.2222, 0.3202
Android (android.graphics.Color)	4278253823 (0xFF00F8FF)
YUV	174.6460, 39.6145, -153.1645
Hunter-Lab	86.1186, -44.0235, -12.6880

Details

The CIELCh color **89, 48.205, 200.877** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 104.166, 40.193**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **70, 39.457, 202.151** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.166, 200.882**, and if you desaturate by 10%, it is **89, 47.679, 200.507**.

Distribution



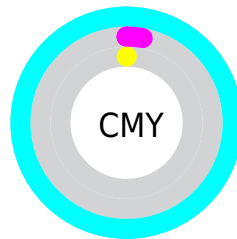
- Red (0%)
- Green (97%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.205, 200.877 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, 48.205, 200.877 by changing the saturation by 10% instead.

 89, 48.205,
200.877

 89, 48.205,
200.877

 100, 48.205,
200.877

 79, 48.205,
200.877

 69, 48.205,
200.877

 59, 48.205,
200.877

 49, 48.205,
200.877

 39, 48.205,
200.877

 29, 48.205,
200.877

 19, 48.205,

200.877

 9, 48.205, 200.877


 0, 48.205, 200.877


 89, 48.205,
200.877


 89, 48.205,
200.877

 89, 48.166,
200.882

 89, 47.679,
200.507

 90, 46.346,
200.239

 90, 43.960,
200.091

 91, 40.460,
200.060

 92, 35.863,

200.139

■ 93, 30.239,
200.318

■ 95, 23.702,
200.589

■ 96, 16.389,
200.941

■ 98, 8.441, 201.383

Harmonies

Complementary

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



89, 48.205, 200.877



53, 104.166, 40.193

Rectangle

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



89, 48.205, 200.877



89, 48.205, 250.877



89, 48.205, 20.877



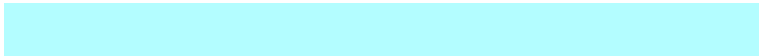
89, 48.205, 70.877

Sweetspot

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



89, 48.166, 200.882



95, 23.722, 200.589



88, 119.422, 136.107



50, 15.901, 200.464



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, 48.166, 200.882



89, 48.203, 200.882



53, 76.115, 286.598



52, 4.809, 201.409



69, 38.850, 200.802



23, 17.952, 200.251

Inverse Universe

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



60, 112.972, 329.377



60, 113.059, 329.377



68, 84.933, 61.181



50, 8.890, 325.692



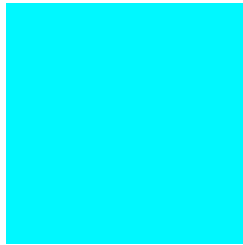
45, 91.097, 329.357



12, 42.018, 329.218

Previews

White Background



This preview shows how the CIE LCh color 89, 48.205, 200.877 looks on a white background.

Color Contrast Check

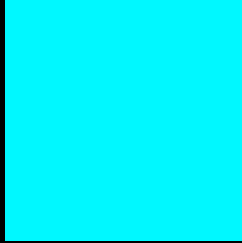
Large Text (above 18pt) WCAG AA × Fail

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, 48.205, 200.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

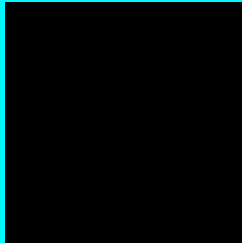
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

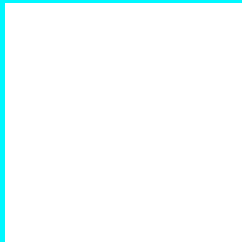
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 48.205, 200.877

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.205, 200.877.

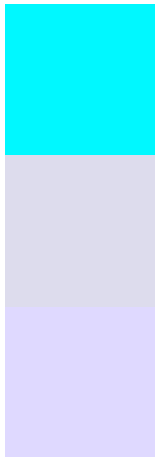


This preview shows how white text looks on a background with the CIELCh color 89, 48.205, 200.877.

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](#).

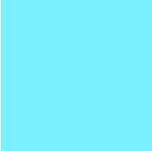
Dichromacy



Original Color
89, 48.205, 200.877

Protanopia
88, 8.893, 293.155

Deuteranopia
88, 20.009, 297.578



Tritanopia
89, 33.562, 211.019

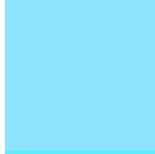
Trichromacy



Original Color
89, 48.205, 200.877



Protanomaly
86, 27.664, 212.108



Deuteranomaly
86, 28.577, 227.932

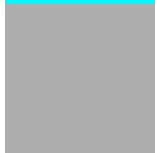


Tritanomaly
88, 41.761, 205.601

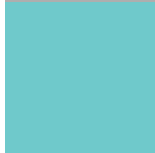
Monochromacy



Original Color
89, 48.205, 200.877



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 27.994, 199.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.205, 200.877 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(0, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 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(0, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.205, 200.877 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(0, 248, 255) }
```

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

```
.border{ border-color:rgb(0, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.205, 200.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 255) }
```

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

```
.background{ background-color: rgb(0, 248,  
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](#).

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