

Converting Colors

CIELCh(89, 49.426, 213.935)

Have a look what the booklet for
CIELCh(89, 49.426, 213.935)
contains.

CIELCh(89, 47.953, 201.551)	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, 47.953, 201.551)

Conversions

Conversions Part 1

Format	Color
Hex	04F8FF
RGB	4, 248, 255
RGB Percent	2%, 97%, 100%
CMY	0.9827, 0.0291, 0.0000
CMYK	0.98, 0.03, 0.00, 0.00
HSL	182°, 100%, 51%
HSV	182°, 98%, 100%
XYZ	51.6372, 74.1641, 106.6914
YIQ	175.8420, -147.6710, -49.5510

Conversions

Conversions Part 2

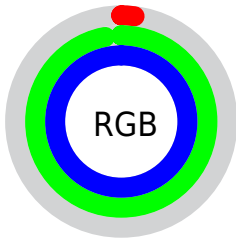
Format	Color
R_{YB}	4, 128, 255
Decimal	325887
CIE _{Lab}	89.00, -44.60, -17.61
CIE _{LCh}	89, 47.953, 201.551
Y _{xy}	74.1641, 0.2221, 0.3190
Android (android.graphics.Color)	4278515967 (0xFF04F8FF)
YUV	175.8420, 39.0249, -150.7054
Hunter-Lab	86.1186, -43.6779, -13.1707

Details

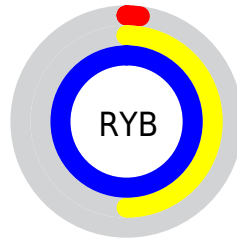
The CIELCh color **89, 47.953, 201.551** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 103.339, 39.857**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **70, 39.457, 202.151** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.067, 201.243**, and if you desaturate by 10%, it is **89, 47.432, 200.773**.

Distribution



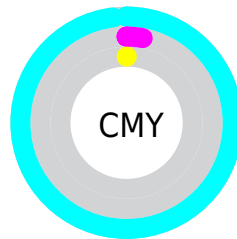
- Red (2%)
- Green (97%)
- Blue (100%)



- Red (2%)
- Yellow (50%)
- Blue (100%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 47.953, 201.551 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, 47.953, 201.551 by changing the saturation by 10% instead.


 89, 47.953,
201.551


 89, 47.953,
201.551


 100, 47.953,
201.551


 79, 47.953,
201.551

 69, 47.953,
201.551

 59, 47.953,
201.551

 49, 47.953,
201.551

 39, 47.953,
201.551

 29, 47.953,
201.551

 19, 47.953,

201.551

■ 9, 47.953, 201.551

■ 0, 47.953, 201.551

■ 89, 47.953,
201.551

■ 89, 47.953,
201.551

■ 89, 48.067,
201.243

■ 89, 47.432,
200.773

■ 90, 45.935,
200.498

■ 90, 43.367,
200.346

■ 91, 39.684,
200.316

■ 92, 34.911,

200.397

■ 94, 29.129,
200.580

■ 95, 22.457,
200.854

■ 97, 15.033,
201.211

■ 98, 7.001, 201.667

Harmonies

Complementary

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



89, 47.953, 201.551



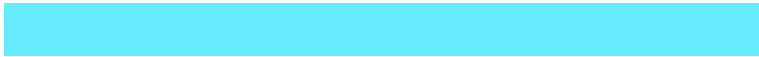
54, 103.339, 39.857

Rectangle

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



89, 47.953, 201.551



89, 47.953, 251.551



89, 47.953, 21.551



89, 47.953, 71.551

Sweetspot

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



89, 48.011, 201.168



95, 22.973, 200.831



88, 119.167, 136.151



50, 15.490, 200.706



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, 48.011, 201.168



89, 48.067, 201.243



54, 74.801, 285.854



52, 4.799, 201.602



69, 38.742, 201.156



23, 17.907, 200.559

Inverse Universe

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



60, 112.624, 329.440



60, 112.869, 329.468



68, 84.198, 61.678



50, 8.877, 325.750



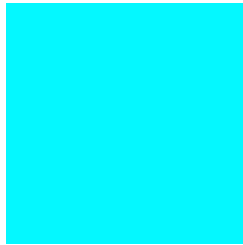
45, 90.946, 329.446



12, 41.957, 329.296

Previews

White Background



This preview shows how the CIE LCh color 89, 47.953, 201.551 looks on a white background.

Color Contrast Check

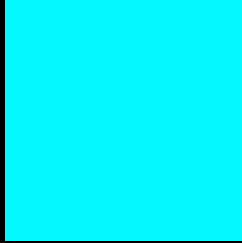
Large Text (above 18pt) WCAG AA × Fail

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, 47.953, 201.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

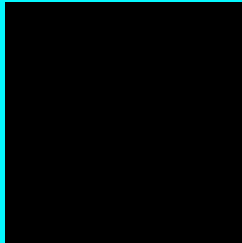
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 47.953, 201.551

Background



This preview shows how black text looks on a background with the CIELCh color 89, 47.953, 201.551.

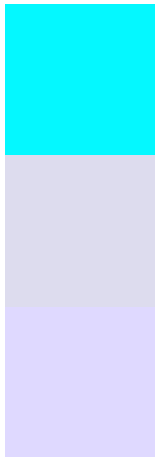


This preview shows how white text looks on a background with the CIELCh color 89, 47.953, 201.551.

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

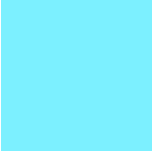
89, 48.124, 200.889

Protanopia

88, 9.415, 293.068

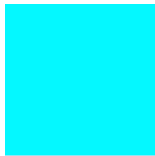
Deuteranopia

88, 20.009, 297.578



Tritanopia
89, 33.765, 210.924

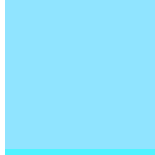
Trichromacy



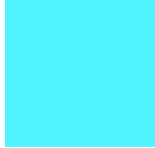
Original Color
89, 48.124, 200.889



Protanomaly
86, 27.475, 213.377



Deuteranomaly
86, 28.157, 228.447

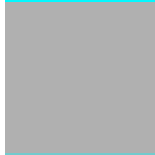


Tritanomaly
88, 41.631, 205.636

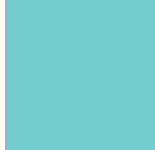
Monochromacy



Original Color
89, 48.124, 200.889



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 27.445, 200.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 47.953, 201.551 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(4, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 248, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 89, 47.953, 201.551 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(4, 248, 255) }
```

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

```
.border{ border-color:rgb(4, 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(4, 248, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 89, 47.953, 201.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 248, 255) }
```

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

```
.background{ background-color: rgb(4, 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](#).

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