

Converting Colors

CIELCh(89, 45.960, 201.108)

Have a look what the booklet for
CIELCh(89, 45.960, 201.108)
contains.

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Color

CIELCh(89, 46.011, 201.207)

Conversions

Conversions Part 1

Format	Color
Hex	31F7FE
RGB	49, 247, 254
RGB Percent	19%, 97%, 100%
CMY	0.8097, 0.0323, 0.0048
CMYK	0.81, 0.03, 0.00, 0.00
HSL	182°, 99%, 59%
HSV	182°, 81%, 100%
XYZ	52.2875, 74.1641, 105.1352
YIQ	188.5960, -120.2550, -39.7990

Conversions

Conversions Part 2

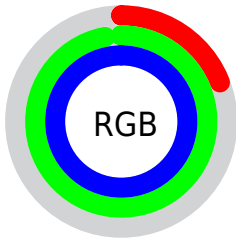
Format	Color
R _{YB}	49, 150, 254
Decimal	3274750
CIE Lab	89.00, -42.90, -16.64
CIE LCh	89, 46.011, 201.207
Yxy	74.1641, 0.2258, 0.3202
Android (android.graphics.Color)	4281464830 (0xFF31F7FE)
YUV	188.5960, 32.2442, -122.4257
Hunter-Lab	86.1186, -42.3300, -12.0993

Details

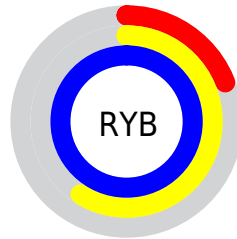
The CIELCh color **89, 46.011, 201.207** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.713, 35.557**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **70, 39.299, 202.180** is the 20% darker color. If you saturate the color by 10%, you get **89, 47.221, 201.579**, and if you desaturate by 10%, it is **90, 43.759, 200.969**.

Distribution



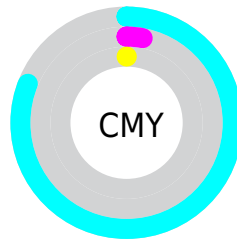
- Red (19%)
- Green (97%)
- Blue (100%)



- Red (19%)
- Yellow (59%)
- Blue (100%)



- Cyan (81%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 46.011, 201.207 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, 46.011, 201.207 by changing the saturation by 10% instead.

 89, 46.011,
201.207

 89, 46.011,
201.207

 100, 46.011,
201.207

 79, 46.011,
201.207

 69, 46.011,
201.207

 59, 46.011,
201.207

 49, 46.011,
201.207

 39, 46.011,
201.207

 29, 46.011,
201.207

 19, 46.011,

201.207

■ 9, 46.011, 201.207

■ 0, 46.011, 201.207

■ 89, 46.011,
201.207

■ 89, 46.011,
201.207

■ 89, 47.221,
201.579

■ 90, 43.759,
200.969

■ 88, 47.607,
202.024

■ 90, 40.401,
200.864

■ 91, 35.948,
200.881

■ 93, 30.468,
201.008

■ 94, 24.070,

201.234

■ 96, 16.890,
201.548

■ 97, 9.070, 201.954

■ 99, 0.746, 203.197

100, 0.417, 88.546

Harmonies

Complementary

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



89, 46.011, 201.207



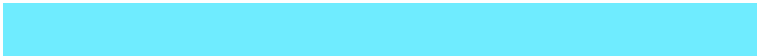
56, 88.713, 35.557

Rectangle

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



89, 46.011, 201.207



89, 46.011, 251.207



89, 46.011, 21.207



89, 46.011, 71.207

Sweetspot

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



89, 46.010, 201.206



96, 19.285, 201.441



88, 110.282, 137.515



50, 13.075, 201.329



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, 46.010, 201.206



89, 47.689, 201.873



60, 63.051, 279.718



52, 4.778, 202.019



68, 38.514, 201.924



23, 17.813, 201.227

Inverse Universe

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



62, 106.248, 329.253



60, 112.049, 329.610



73, 72.941, 67.542



50, 8.850, 325.876



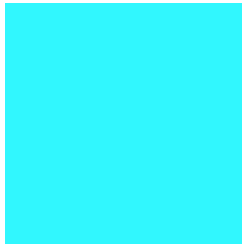
45, 90.623, 329.639



12, 41.826, 329.464

Previews

White Background



This preview shows how the CIE LCh color 89, 46.011, 201.207 looks on a white background.

Color Contrast Check

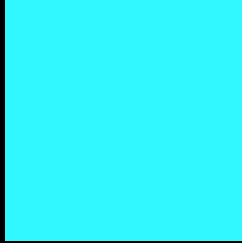
Large Text (above 18pt) WCAG AA × Fail

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, 46.011, 201.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

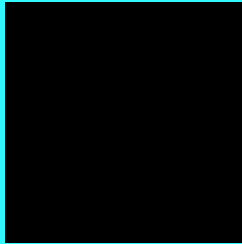
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 46.011, 201.207

Background



This preview shows how black text looks on a background with the CIELCh color 89, 46.011, 201.207.

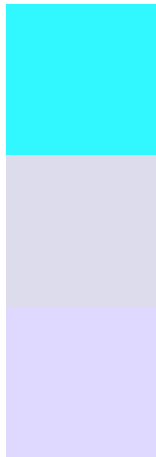


This preview shows how white text looks on a background with the CIELCh color 89, 46.011, 201.207.

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, 46.011, 201.207

Protanopia

88, 8.893, 293.155

Deuteranopia

88, 20.049, 298.538



Tritanopia
89, 33.167, 212.165

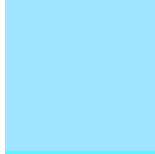
Trichromacy



Original Color
89, 46.011, 201.207



Protanomaly
87, 23.403, 215.041



Deuteranomaly
87, 24.711, 233.428

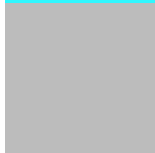


Tritanomaly
89, 38.920, 207.203

Monochromacy



Original Color
89, 46.011, 201.207



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 23.282, 201.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 46.011, 201.207 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(49, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 247, 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(49, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 247, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 46.011, 201.207 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(49, 247, 254) }
```

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

```
.border{ border-color:rgb(49, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 247,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 46.011, 201.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 247, 254) }
```

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

```
.background{ background-color: rgb(49, 247,  
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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