

Converting Colors

CIELCh(89, 45.850, 201.668)

Have a look what the booklet for
CIELCh(89, 45.850, 201.668)
contains.

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Color

CIELCh(89, 45.933, 201.219)

Conversions

Conversions Part 1

Format	Color
Hex	31F7FE
RGB	49, 247, 254
RGB Percent	19%, 97%, 100%
CMY	0.8060, 0.0324, 0.0049
CMYK	0.81, 0.03, 0.00, 0.00
HSL	182°, 99%, 59%
HSV	182°, 81%, 100%
XYZ	52.3167, 74.1641, 105.1044
YIQ	188.5960, -120.2550, -39.7990

Conversions

Conversions Part 2

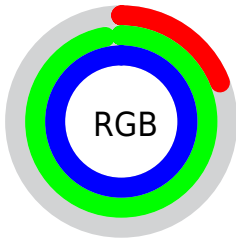
Format	Color
RYB	49, 150, 254
Decimal	3274750
CIELab	89.00, -42.82, -16.62
CIELCh	89, 45.933, 201.219
Yxy	74.1641, 0.2259, 0.3202
Android (android.graphics.Color)	4281464830 (0xFF31F7FE)
YUV	188.5960, 32.2442, -122.4257
Hunter-Lab	86.1186, -42.2695, -12.0781

Details

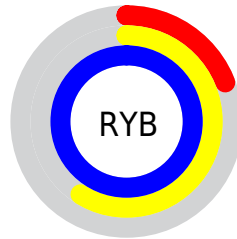
The CIELCh color **89, 45.933, 201.219** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.292, 35.444**, and the grayscale version is **76, 0.009, 296.813**.

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, 47.178, 201.588**, and if you desaturate by 10%, it is **90, 43.641, 200.984**.

Distribution



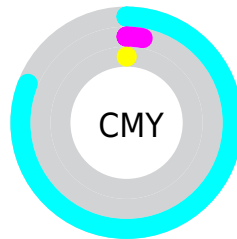
- Red (19%)
- Green (97%)
- Blue (100%)



- 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, 45.933, 201.219 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, 45.933, 201.219 by changing the saturation by 10% instead.


 89, 45.933,
201.219


 89, 45.933,
201.219


 100, 45.933,
201.219


 79, 45.933,
201.219

 69, 45.933,
201.219

 59, 45.933,
201.219

 49, 45.933,
201.219

 39, 45.933,
201.219

 29, 45.933,
201.219

 19, 45.933,

201.219

■ 9, 45.933, 201.219

■ 0, 45.933, 201.219

■ 89, 45.933,
201.219

■ 89, 45.933,
201.219

■ 89, 47.178,
201.588

■ 90, 43.641,
200.984

■ 88, 47.592,
202.052

■ 90, 40.244,
200.882

■ 91, 35.752,
200.902

■ 93, 30.237,
201.032

■ 94, 23.809,

201.261

■ 96, 16.605,
201.577

■ 97, 8.765, 201.986

■ 99, 0.428, 203.889

100, 0.433, 89.488

Harmonies

Complementary

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



89, 45.933, 201.219



56, 88.292, 35.444

Rectangle

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



89, 45.933, 201.219



89, 45.933, 251.219



89, 45.933, 21.219



89, 45.933, 71.219

Sweetspot

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



89, 45.932, 201.218



96, 19.282, 201.457



88, 109.993, 137.553



50, 13.073, 201.345



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, 45.932, 201.218



89, 47.680, 201.901



60, 62.753, 279.560



52, 4.777, 202.034



68, 38.506, 201.951



23, 17.810, 201.251

Inverse Universe

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



62, 106.010, 329.249



60, 112.035, 329.617



73, 72.630, 67.614



50, 8.849, 325.880



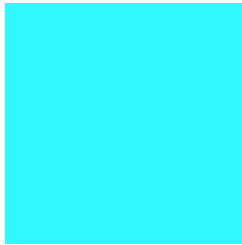
45, 90.612, 329.646



12, 41.821, 329.470

Previews

White Background



This preview shows how the CIE LCh color 89, 45.933, 201.219 looks on a white background.

Color Contrast Check

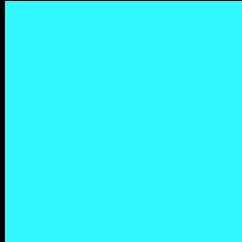
Large Text (above 18pt) WCAG AA × Fail

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, 45.933, 201.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

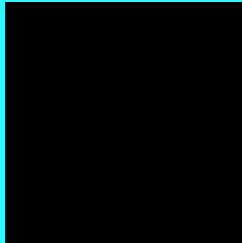
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 45.933, 201.219

Background



This preview shows how black text looks on a background with the CIELCh color 89, 45.933, 201.219.



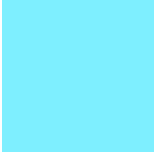
This preview shows how white text looks on a background with the CIELCh color 89, 45.933, 201.219.

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](#).

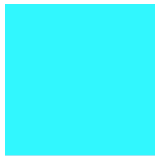
Dichromacy





Tritanopia
89, 33.167, 212.165

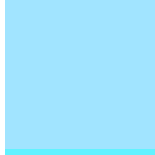
Trichromacy



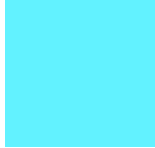
Original Color
89, 46.011, 201.207



Protanomaly
87, 23.142, 215.253



Deuteranomaly
87, 24.492, 233.799

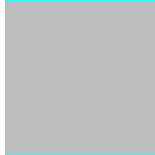


Tritanomaly
89, 38.920, 207.203

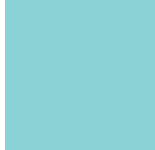
Monochromacy



Original Color
89, 46.011, 201.207



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 23.277, 201.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 45.933, 201.219 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, 45.933, 201.219 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, 45.933, 201.219 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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