

Converting Colors

CIELCh(89, 45.707, 203.106)

Have a look what the booklet for
CIELCh(89, 45.707, 203.106)
contains.

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Color

CIElCh(89, 45.918, 201.890)

Conversions

Conversions Part 1

Format	Color
Hex	30F7FF
RGB	48, 247, 255
RGB Percent	19%, 97%, 100%
CMY	0.8104, 0.0326, 0.0012
CMYK	0.81, 0.03, 0.00, 0.00
HSL	182°, 100%, 59%
HSV	182°, 81%, 100%
XYZ	52.3978, 74.1641, 105.8956
YIQ	188.4110, -121.1720, -39.7000

Conversions

Conversions Part 2

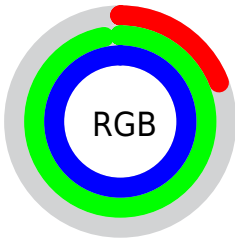
Format	Color
RYB	48, 149, 255
Decimal	3209215
CIELab	89.00, -42.61, -17.12
CIELCh	89, 45.918, 201.890
Yxy	74.1641, 0.2254, 0.3190
Android (android.graphics.Color)	4281399295 (0xFF30F7FF)
YUV	188.4110, 32.8284, -123.1404
Hunter-Lab	86.1186, -42.1015, -12.6228

Details

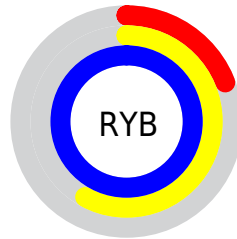
The CIELCh color **89, 45.918, 201.890** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.966, 35.751**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **70, 39.204, 203.027** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.093, 202.332**, and if you desaturate by 10%, it is **90, 43.699, 201.593**.

Distribution



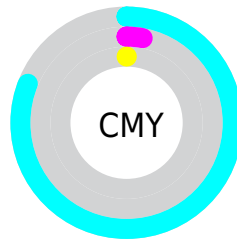
- Red (19%)
- Green (97%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- 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, 45.918, 201.890 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, 45.918, 201.890 by changing the saturation by 10% instead.


 89, 45.918,
201.890


 89, 45.918,
201.890


 100, 45.918,
201.890


 79, 45.918,
201.890

 69, 45.918,
201.890

 59, 45.918,
201.890

 49, 45.918,
201.890

 39, 45.918,
201.890

 29, 45.918,
201.890

 19, 45.918,

201.890

■ 9, 45.918, 201.890

■ 0, 45.918, 201.890

■ 89, 45.918,
201.890

■ 89, 45.918,
201.890

■ 88, 47.093,
202.332

■ 90, 43.699,
201.593

■ 88, 47.449,
202.843

■ 91, 40.373,
201.440

■ 92, 35.949,
201.416

■ 93, 30.496,
201.511

■ 94, 24.124,

201.709

■ 96, 16.968,
202.000

■ 98, 9.170, 202.384

■ 100, 0.867,
203.489

■ 100, 0.147,
109.643

Harmonies

Complementary

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



89, 45.918, 201.890



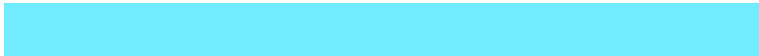
56, 88.966, 35.751

Rectangle

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



89, 45.918, 201.890



89, 45.918, 251.890



89, 45.918, 21.890



89, 45.918, 71.890

Sweetspot

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



89, 45.917, 201.889



95, 19.196, 201.904



88, 110.698, 137.499



50, 13.014, 201.799



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, 45.917, 201.889



88, 47.408, 202.667



60, 63.346, 279.785



52, 4.756, 202.454



68, 38.286, 202.727



23, 17.718, 201.924

Inverse Universe

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



62, 106.279, 329.429



60, 111.641, 329.809



74, 73.267, 67.511



50, 8.821, 326.006



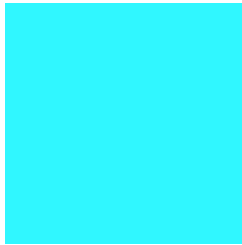
45, 90.291, 329.839



12, 41.691, 329.639

Previews

White Background



This preview shows how the CIE LCh color 89, 45.918, 201.890 looks on a white background.

Color Contrast Check

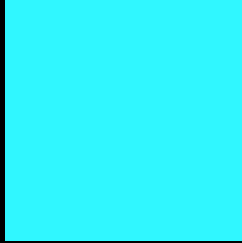
Large Text (above 18pt) WCAG AA × Fail

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, 45.918, 201.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

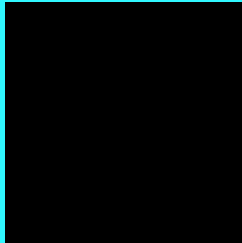
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 45.918, 201.890

Background



This preview shows how black text looks on a background with the CIELCh color 89, 45.918, 201.890.

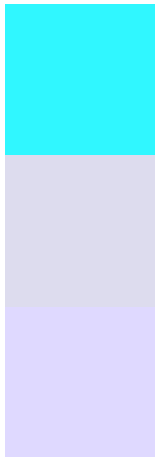


This preview shows how white text looks on a background with the CIELCh color 89, 45.918, 201.890.

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, 45.994, 201.877

Protanopia
88, 9.415, 293.068

Deuteranopia
88, 20.009, 297.578



Tritanopia
89, 33.167, 212.165

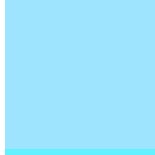
Trichromacy



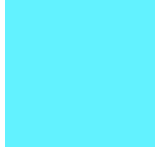
Original Color
89, 45.994, 201.877



Protanomaly
87, 23.490, 216.336



Deuteranomaly
87, 24.929, 233.065

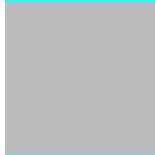


Tritanomaly
89, 38.920, 207.203

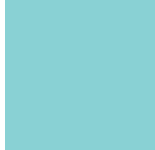
Monochromacy



Original Color
89, 45.994, 201.877



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, 45.918, 201.890 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(48, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 247, 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(48, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 247, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 45.918, 201.890 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(48, 247, 255) }
```

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

```
.border{ border-color:rgb(48, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 247,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 45.918, 201.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 247, 255) }
```

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

```
.background{ background-color: rgb(48, 247,  
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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