

Converting Colors

CIELCh(89, 45.902, 196.562)

Have a look what the booklet for
CIELCh(89, 45.902, 196.562)
contains.

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Color

CIELCh(89, 45.945, 196.561)

Conversions

Conversions Part 1

Format	Color
Hex	3BF7F7
RGB	59, 247, 247
RGB Percent	23%, 97%, 97%
CMY	0.7686, 0.0314, 0.0314
CMYK	0.76, 0.00, 0.00, 0.03
HSL	180°, 92%, 60%
HSV	180°, 76%, 97%
XYZ	51.8507, 74.1641, 99.5752
YIQ	190.7880, -112.0480, -39.8560

Conversions

Conversions Part 2

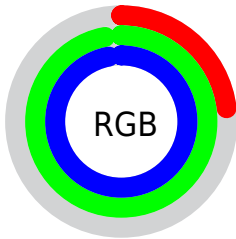
Format	Color
R _Y B	59, 153, 247
Decimal	3930103
CIE Lab	89.00, -44.04, -13.10
CIE LCh	89, 45.945, 196.561
Yxy	74.1641, 0.2298, 0.3288
Android (android.graphics.Color)	4282120183 (0xFF3BF7F7)
YUV	190.7880, 27.7125, -115.5781
Hunter-Lab	86.1186, -43.2353, -8.2714

Details

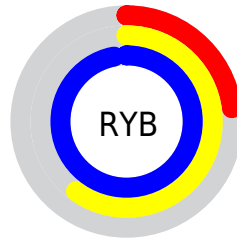
The CIELCh color **89, 45.945, 196.561** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 82.798, 32.808**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **70, 40.023, 197.198** is the 20% darker color. If you saturate the color by 10%, you get **89, 47.804, 196.450**, and if you desaturate by 10%, it is **89, 43.027, 196.733**.

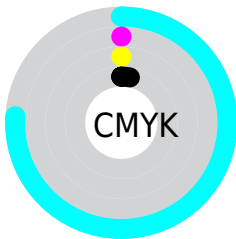
Distribution



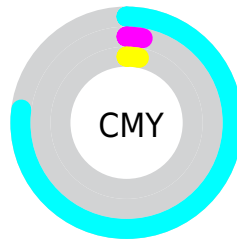
- Red (23%)
- Green (97%)
- Blue (97%)



- Red (23%)
- Yellow (60%)
- Blue (97%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (77%)
- Magenta (3%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 45.945, 196.561 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, 45.945, 196.561 by changing the saturation by 10% instead.


 89, 45.945,
196.561


 89, 45.945,
196.561


 100, 45.945,
196.561


 79, 45.945,
196.561

 69, 45.945,
196.561

 59, 45.945,
196.561

 49, 45.945,
196.561

 39, 45.945,
196.561

 29, 45.945,
196.561

 19, 45.945,

196.561

■ 9, 45.945, 196.561

■ 0, 45.945, 196.561

■ 89, 45.945,
196.561

■ 89, 45.945,
196.561

■ 89, 47.804,
196.450

■ 89, 43.027,
196.733

■ 89, 48.719,
196.397

■ 90, 39.019,
196.973

■ 89, 48.920,
196.385

■ 91, 33.953,
197.281

■ 92, 27.913,
197.654

■ 93, 21.019,

198.090

■ 95, 13.408,
198.588

■ 96, 5.224, 199.189

■ 98, 2.827, 19.361

■ 98, 2.827, 19.358

Harmonies

Complementary

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



89, 45.945, 196.561



55, 82.798, 32.808

Rectangle

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



89, 45.945, 196.561



89, 45.945, 246.561



89, 45.945, 16.561



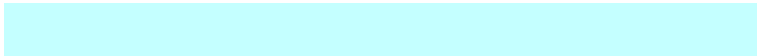
89, 45.945, 66.561

Sweetspot

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



89, 45.944, 196.560



96, 19.208, 198.236



86, 105.560, 137.220



51, 13.123, 198.065



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, 45.944, 196.560



91, 49.555, 196.417



63, 53.405, 272.402



50, 4.783, 198.964



69, 39.561, 196.385



22, 17.589, 196.385

Inverse Universe

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



55, 82.798, 32.808



54, 99.501, 38.011



71, 67.529, 63.922



48, 5.080, 19.939



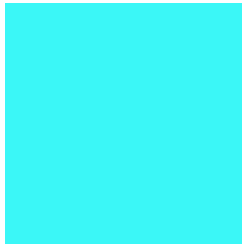
39, 82.550, 39.999



8, 31.024, 25.006

Previews

White Background



This preview shows how the CIE LCh color 89, 45.945, 196.561 looks on a white background.

Color Contrast Check

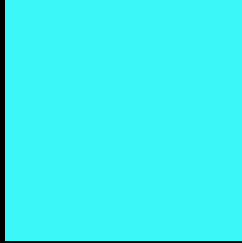
Large Text (above 18pt) WCAG AA × Fail

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, 45.945, 196.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

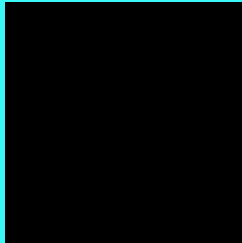
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 45.945, 196.561

Background



This preview shows how black text looks on a background with the CIELCh color 89, 45.945, 196.561.

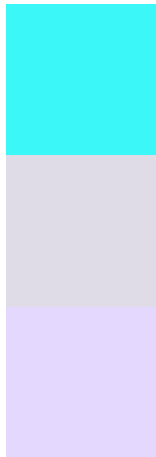


This preview shows how white text looks on a background with the CIELCh color 89, 45.945, 196.561.

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, 45.945, 196.561

Protanopia
88, 5.861, 301.054

Deuteranopia
88, 20.348, 303.298



Tritanopia
89, 32.754, 212.377

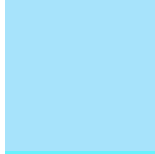
Trichromacy



Original Color
89, 45.945, 196.561



Protanomaly
87, 21.738, 207.802



Deuteranomaly
87, 22.209, 233.070

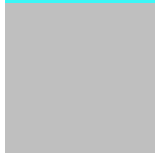


Tritanomaly
89, 38.194, 205.003

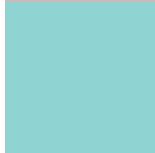
Monochromacy



Original Color
89, 45.945, 196.561



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 22.316, 197.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 45.945, 196.561 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(59, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 247, 247)  
}
```

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(59, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 247, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 45.945, 196.561 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(59, 247, 247) }
```

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

```
.border{ border-color:rgb(59, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 247,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 45.945, 196.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 247, 247) }
```

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

```
.background{ background-color: rgb(59, 247,  
247) }
```

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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