

Converting Colors

CIELCh(90, 50.075, 189.893)

Have a look what the booklet for
CIELCh(90, 50.075, 189.893)
contains.

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Color

CIELCh(90, 50.185, 189.699)

Conversions

Conversions Part 1

Format	Color
Hex	26FCF1
RGB	38, 252, 241
RGB Percent	15%, 99%, 95%
CMY	0.8520, 0.0122, 0.0553
CMYK	0.85, 0.00, 0.04, 0.01
HSL	177°, 97%, 57%
HSV	177°, 85%, 99%
XYZ	51.4261, 76.3034, 95.1536
YIQ	186.7600, -124.0130, -48.7890

Conversions

Conversions Part 2

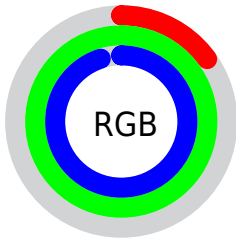
Format	Color
R_{YB}	38, 148, 252
Decimal	2555121
CIE _{Lab}	90.00, -49.47, -8.45
CIE _{LCh}	90, 50.185, 189.699
Yxy	76.3034, 0.2307, 0.3423
Android (android.graphics.Color)	4280745201 (0xFF26FCF1)
YUV	186.7600, 26.7403, -130.4625
Hunter-Lab	87.3518, -47.7783, -3.4392

Details

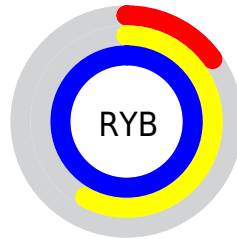
The CIELCh color **90, 50.185, 189.699** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **54, 90.588, 33.216**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **71, 42.395, 189.496** is the 20% darker color. If you saturate the color by 10%, you get **90, 51.485, 189.022**, and if you desaturate by 10%, it is **90, 47.895, 190.341**.

Distribution



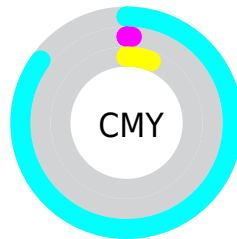
- Red (15%)
- Green (99%)
- Blue (95%)



- Red (15%)
- Yellow (58%)
- Blue (99%)



- Cyan (85%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (85%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 50.185, 189.699 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 90, 50.185, 189.699 by changing the saturation by 10% instead.


 90, 50.185,
189.699


 90, 50.185,
189.699


 100, 50.185,
189.699


 80, 50.185,
189.699

 70, 50.185,
189.699

 60, 50.185,
189.699

 50, 50.185,
189.699

 40, 50.185,
189.699

 30, 50.185,
189.699

 20, 50.185,

189.699

■ 10, 50.185,
189.699

■ 0, 50.185, 189.699

■ 90, 50.185,
189.699

■ 90, 50.185,
189.699

■ 90, 51.485,
189.022

■ 90, 47.895,
190.341

■ 90, 51.882,
188.676

■ 91, 44.521,
190.965

■ 92, 40.047,
191.583

■ 92, 34.527,
192.206

■ 94, 28.062,
192.842

■ 95, 20.787,
193.495

■ 96, 12.849,
194.174

■ 98, 4.394, 194.944

■ 99, 1.144, 2.263

Harmonies

Complementary

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



90, 50.185, 189.699



54, 90.588, 33.216

Rectangle

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



90, 50.185, 189.699



90, 50.185, 239.699



90, 50.185, 9.699



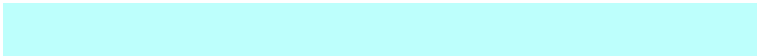
90, 50.185, 59.699

Sweetspot

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



90, 50.185, 189.698



96, 21.745, 193.429



87, 112.836, 136.085



51, 14.566, 193.201



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 50.185, 189.698



91, 52.367, 188.671



64, 55.025, 270.383



51, 4.896, 194.573



69, 41.722, 188.804



23, 18.762, 189.723

Inverse Universe

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



54, 90.588, 33.216



53, 102.609, 38.595



67, 77.452, 58.154



49, 5.172, 15.787



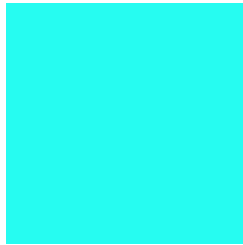
39, 81.220, 38.025



9, 31.829, 24.078

Previews

White Background



This preview shows how the CIE LCh color 90, 50.185, 189.699 looks on a white background.

Color Contrast Check

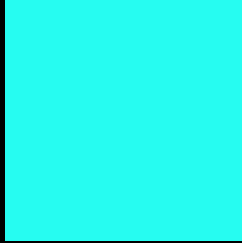
Large Text (above 18pt) WCAG AA × Fail

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 90, 50.185, 189.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

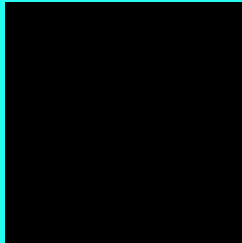
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 50.185, 189.699

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.185, 189.699.

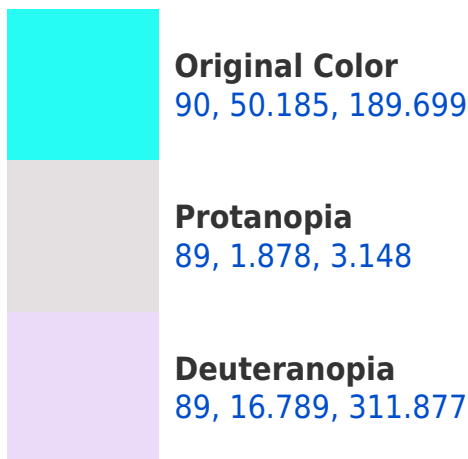


This preview shows how white text looks on a background with the CIELCh color 90, 50.185, 189.699.

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



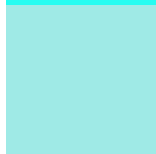


Tritanopia
90, 30.072, 211.770

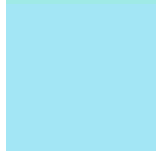
Trichromacy



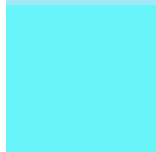
Original Color
90, 50.185, 189.699



Protanomaly
88, 24.502, 192.861

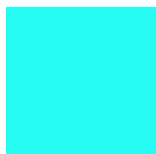


Deuteranomaly
87, 22.300, 218.874

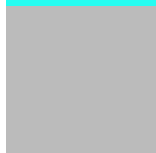


Tritanomaly
89, 38.930, 200.874

Monochromacy



Original Color
90, 50.185, 189.699



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 25.492, 192.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.185, 189.699 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(38, 252, 241)` looks like.

```
.text, #text, p{  
    color:rgb(38, 252, 241)  
}
```

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(38, 252, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 252, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.185, 189.699 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(38, 252, 241) }
```

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

```
.border{ border-color:rgb(38, 252, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 252, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 252, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 252, 241);  
box-shadow:4px 4px 4px 4px rgb(38, 252,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.185, 189.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 252, 241) }
```

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

```
.background{ background-color: rgb(38, 252,  
241) }
```

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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