

Converting Colors

CIELCh(90, 50.589, 192.712)

Have a look what the booklet for
CIELCh(90, 50.589, 192.712)
contains.

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Color

CIELCh(90, 50.584, 192.729)

Conversions

Conversions Part 1

Format	Color
Hex	01FCF6
RGB	1, 252, 246
RGB Percent	0%, 99%, 96%
CMY	0.9950, 0.0116, 0.0352
CMYK	0.99, 0.00, 0.02, 0.01
HSL	179°, 99%, 50%
HSV	179°, 99%, 99%
XYZ	51.4742, 76.3034, 99.2276
YIQ	176.2670, -147.6700, -55.0780

Conversions

Conversions Part 2

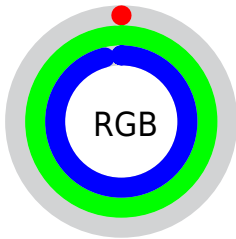
Format	Color
R_{YB}	1, 128, 252
Decimal	130294
CIE _{Lab}	90.00, -49.34, -11.15
CIE _{LCh}	90, 50.584, 192.729
Yxy	76.3034, 0.2268, 0.3361
Android (android.graphics.Color)	4278320374 (0xFF01FCF6)
YUV	176.2670, 34.3784, -153.7092
Hunter-Lab	87.3518, -47.6801, -6.2044

Details

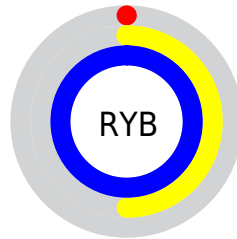
The CIELCh color **90, 50.584, 192.729** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 102.463, 39.237**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **71, 41.778, 192.512** is the 20% darker color. If you saturate the color by 10%, you get **90, 50.615, 192.710**, and if you desaturate by 10%, it is **90, 49.786, 193.086**.

Distribution



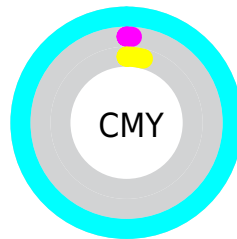
- Red (0%)
- Green (99%)
- Blue (96%)



- Red (0%)
- Yellow (50%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 50.584, 192.729 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, 50.584, 192.729 by changing the saturation by 10% instead.


 90, 50.584,
192.729


 90, 50.584,
192.729

 100, 50.584,
192.729


 80, 50.584,
192.729

 70, 50.584,
192.729

 60, 50.584,
192.729

 50, 50.584,
192.729

 40, 50.584,
192.729

 30, 50.584,
192.729

 20, 50.584,

192.729

■ 10, 50.584,
192.729

■ 0, 50.584, 192.729

■ 90, 50.584,
192.729

■ 90, 50.584,
192.729

■ 90, 50.615,
192.710

■ 90, 49.786,
193.086

■ 90, 48.126,
193.452

■ 91, 45.413,
193.836

■ 91, 41.594,
194.250

■ 92, 36.686,
194.698

■ 93, 30.767,
195.185

■ 94, 23.951,
195.713

■ 96, 16.379,
196.282

■ 97, 8.198, 196.910

Harmonies

Complementary

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



90, 50.584, 192.729



53, 102.463, 39.237

Rectangle

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



90, 50.584, 192.729



90, 50.584, 242.729



90, 50.584, 12.729



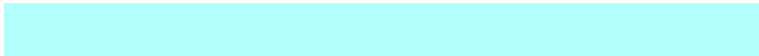
90, 50.584, 62.729

Sweetspot

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



90, 50.583, 192.728



95, 24.547, 195.684



87, 118.464, 135.937



50, 16.469, 195.457



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, 50.583, 192.728



91, 51.067, 192.708



56, 67.804, 281.338



51, 4.876, 196.910



69, 40.707, 192.773



23, 18.372, 193.221

Inverse Universe

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



53, 102.463, 39.237



53, 103.639, 39.344



65, 85.885, 57.279



49, 5.166, 18.004



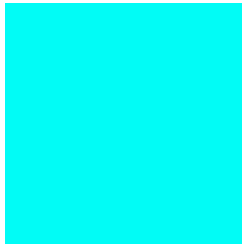
39, 82.319, 39.052



9, 32.020, 25.184

Previews

White Background



This preview shows how the CIE LCh color 90, 50.584, 192.729 looks on a white background.

Color Contrast Check

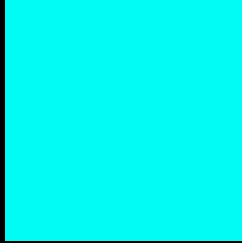
Large Text (above 18pt) WCAG AA × Fail

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, 50.584, 192.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

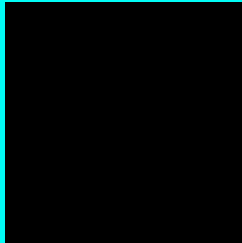
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 50.584, 192.729

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.584, 192.729.

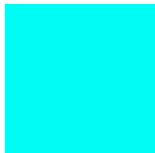


This preview shows how white text looks on a background with the CIELCh color 90, 50.584, 192.729.

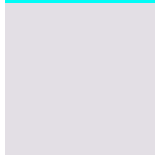
Color Blindness Simulation

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](#).

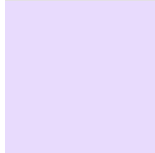
Dichromacy



Original Color
90, 50.584, 192.729



Protanopia
89, 3.457, 314.722



Deuteranopia
89, 18.347, 305.575

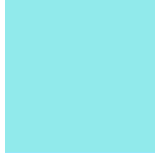


Tritanopia
90, 30.301, 211.649

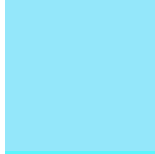
Trichromacy



Original Color
90, 50.584, 192.729



Protanomaly
87, 27.832, 198.680



Deuteranomaly
87, 26.717, 219.939

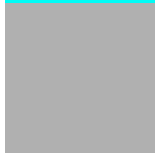


Tritanomaly
89, 41.046, 202.041

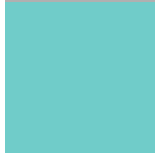
Monochromacy



Original Color
90, 50.584, 192.729



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 28.985, 194.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.584, 192.729 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(1, 252, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 246)  
}
```

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(1, 252, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.584, 192.729 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(1, 252, 246) }
```

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

```
.border{ border-color:rgb(1, 252, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 252, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 252,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.584, 192.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 246) }
```

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

```
.background{ background-color: rgb(1, 252,  
246) }
```

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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