

Converting Colors

CIELCh(90, 56.438, 179.563)

Have a look what the booklet for
CIELCh(90, 56.438, 179.563)
contains.

CIELCh(90, 56.186, 179.719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(90, 56.186, 179.719)

Conversions

Conversions Part 1

Format	Color
Hex	00FEE0
RGB	0, 254, 224
RGB Percent	0%, 100%, 88%
CMY	0.9984, 0.0037, 0.1214
CMYK	1.00, 0.00, 0.12, 0.00
HSL	173°, 100%, 50%
HSV	173°, 100%, 100%
XYZ	48.9241, 76.3034, 82.7061
YIQ	174.6340, -141.7540, -63.1780

Conversions

Conversions Part 2

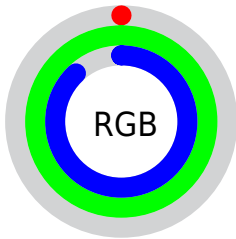
Format	Color
RYB	0, 135, 254
Decimal	65248
CIELab	90.00, -56.19, 0.28
CIELCh	90, 56.186, 179.719
Yxy	76.3034, 0.2353, 0.3670
Android (android.graphics.Color)	4278255328 (0xFF00FEE0)
YUV	174.6340, 24.3374, -153.1540
Hunter-Lab	87.3518, -52.8911, 5.0095

Details

The CIELCh color **90, 56.186, 179.719** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 98.724, 35.730**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **71, 47.223, 177.577** is the 20% darker color. If you saturate the color by 10%, you get **90, 56.208, 179.696**, and if you desaturate by 10%, it is **90, 54.703, 181.063**.

Distribution



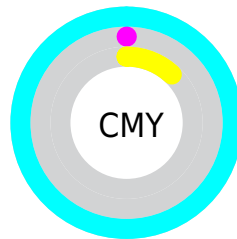
- Red (0%)
- Green (100%)
- Blue (88%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.186, 179.719 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, 56.186, 179.719 by changing the saturation by 10% instead.


 90, 56.186,
179.719


 90, 56.186,
179.719


 100, 56.186,
179.719


 80, 56.186,
179.719

 70, 56.186,
179.719

 60, 56.186,
179.719

 50, 56.186,
179.719

 40, 56.186,
179.719

 30, 56.186,
179.719

 20, 56.186,

179.719

■ 10, 56.186,
179.719

■ 0, 56.186, 179.719

■ 90, 56.186,
179.719

■ 90, 56.186,
179.719

■ 90, 56.208,
179.696

■ 90, 54.703,
181.063

■ 90, 52.369,
182.302

■ 91, 48.988,
183.430

■ 92, 44.518,
184.468

■ 92, 38.995,
185.436

■ 93, 32.514,
186.351

■ 95, 25.208,
187.231

■ 96, 17.228,
188.087

■ 98, 8.727, 188.947

Harmonies

Complementary

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



90, 56.186, 179.719



53, 98.724, 35.730

Rectangle

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



90, 56.186, 179.719



90, 56.186, 229.719



90, 56.186, 359.719



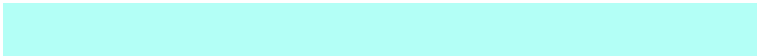
90, 56.186, 49.719

Sweetspot

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



90, 56.186, 179.718



95, 25.410, 187.216



88, 118.467, 135.442



50, 17.099, 186.849



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, 56.186, 179.718



90, 56.368, 179.693



64, 55.703, 268.492



52, 5.063, 188.976



70, 45.292, 179.945



23, 20.497, 181.722

Inverse Universe

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



53, 98.724, 35.730



53, 99.119, 35.802



61, 91.416, 50.328



50, 5.307, 10.427



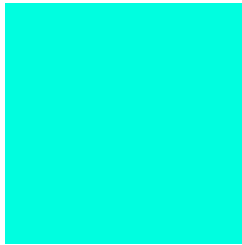
40, 79.085, 34.980



10, 32.479, 22.353

Previews

White Background



This preview shows how the CIE LCh color 90, 56.186, 179.719 looks on a white background.

Color Contrast Check

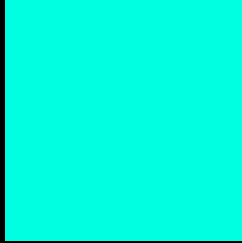
Large Text (above 18pt) WCAG AA × Fail

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, 56.186, 179.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

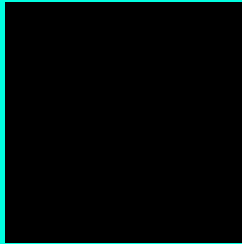
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 56.186, 179.719

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.186, 179.719.

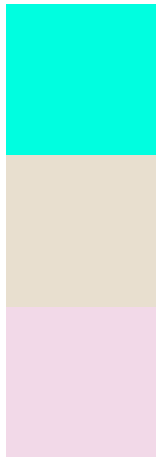


This preview shows how white text looks on a background with the CIELCh color 90, 56.186, 179.719.

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, 56.186, 179.719

Protanopia

89, 8.929, 87.542

Deuteranopia

89, 11.916, 339.386

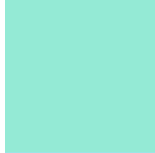


Tritanopia
90, 30.072, 211.770

Trichromacy



Original Color
90, 56.186, 179.719



Protanomaly
87, 30.693, 176.279



Deuteranomaly
87, 24.518, 196.543

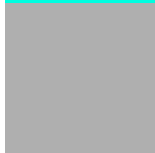


Tritanomaly
89, 42.015, 195.340

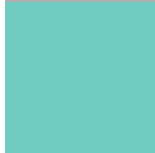
Monochromacy



Original Color
90, 56.186, 179.719



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 30.253, 185.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.186, 179.719 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(0, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 224)  
}
```

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(0, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.186, 179.719 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(0, 254, 224) }
```

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

```
.border{ border-color:rgb(0, 254, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 254, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.186, 179.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 224) }
```

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

```
.background{ background-color: rgb(0, 254,  
224) }
```

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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