

Converting Colors

CIELCh(90, 57.650, 176.288)

Have a look what the booklet for
CIELCh(90, 57.650, 176.288)
contains.

CIELCh(90, 57.622, 176.254)	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, 57.622, 176.254)

Conversions

Conversions Part 1

Format	Color
Hex	16FED9
RGB	22, 254, 217
RGB Percent	9%, 100%, 85%
CMY	0.9154, 0.0025, 0.1477
CMYK	0.92, 0.00, 0.15, 0.00
HSL	170°, 99%, 54%
HSV	170°, 92%, 100%
XYZ	48.4446, 76.3034, 78.0522
YIQ	180.4140, -126.3950, -60.6910

Conversions

Conversions Part 2

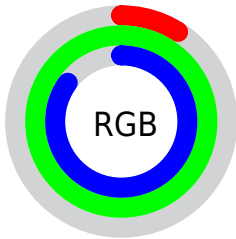
Format	Color
RYB	22, 148, 254
Decimal	1507033
CIELab	90.00, -57.50, 3.76
CIELCh	90, 57.622, 176.254
Yxy	76.3034, 0.2389, 0.3762
Android (android.graphics.Color)	4279697113 (0xFF16FED9)
YUV	180.4140, 18.0369, -138.9291
Hunter-Lab	87.3518, -53.8711, 8.1683

Details

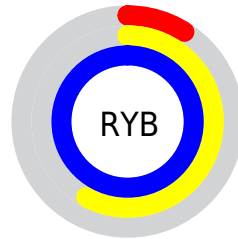
The CIELCh color **90, 57.622, 176.254** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **54, 90.643, 29.165**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **71, 49.360, 173.543** is the 20% darker color. If you saturate the color by 10%, you get **90, 59.162, 174.858**, and if you desaturate by 10%, it is **90, 55.068, 177.782**.

Distribution



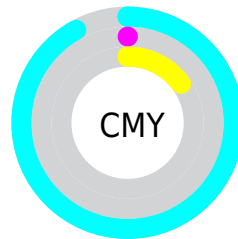
- Red (9%)
- Green (100%)
- Blue (85%)



- Red (9%)
- Yellow (58%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 57.622, 176.254 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, 57.622, 176.254 by changing the saturation by 10% instead.


 90, 57.622,
176.254


 90, 57.622,
176.254

 100, 57.622,
176.254


 80, 57.622,
176.254

 70, 57.622,
176.254

 60, 57.622,
176.254

 50, 57.622,
176.254

 40, 57.622,
176.254

 30, 57.622,
176.254

 20, 57.622,

176.254

■ 10, 57.622,
176.254

■ 0, 57.622, 176.254

■ 90, 57.622,
176.254

■ 90, 57.622,
176.254

■ 90, 59.162,
174.858

■ 90, 55.068,
177.782

■ 91, 51.494,
179.163

■ 91, 46.847,
180.414

■ 92, 41.160,
181.559

93, 34.525,
182.620

95, 27.077,
183.616

96, 18.969,
184.565

98, 10.356,
185.490

99, 1.386, 186.746

Harmonies

Complementary

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



90, 57.622, 176.254



54, 90.643, 29.165

Rectangle

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



90, 57.622, 176.254



90, 57.622, 226.254



90, 57.622, 356.254



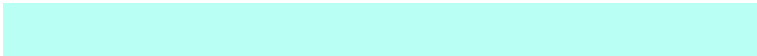
90, 57.622, 46.254

Sweetspot

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



90, 57.622, 176.253



95, 23.529, 184.049



88, 115.364, 134.909



50, 15.708, 183.723



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, 57.622, 176.253



90, 59.276, 174.856



69, 49.446, 258.792



52, 5.136, 185.680



69, 47.580, 175.164



23, 21.381, 177.352

Inverse Universe

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



54, 90.643, 29.165



53, 96.549, 33.432



62, 87.301, 49.914



50, 5.360, 7.229



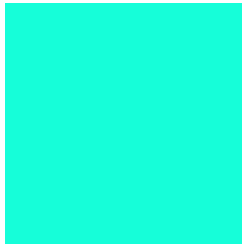
40, 77.015, 32.491



10, 32.226, 20.636

Previews

White Background



This preview shows how the CIE LCh color 90, 57.622, 176.254 looks on a white background.

Color Contrast Check

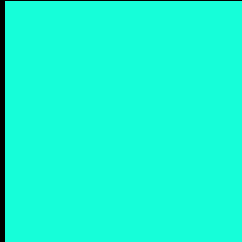
Large Text (above 18pt) WCAG AA × Fail

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, 57.622, 176.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

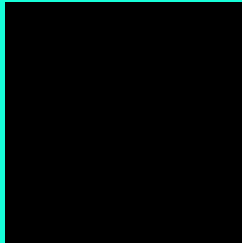
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 57.622, 176.254

Background



This preview shows how black text looks on a background with the CIELCh color 90, 57.622, 176.254.

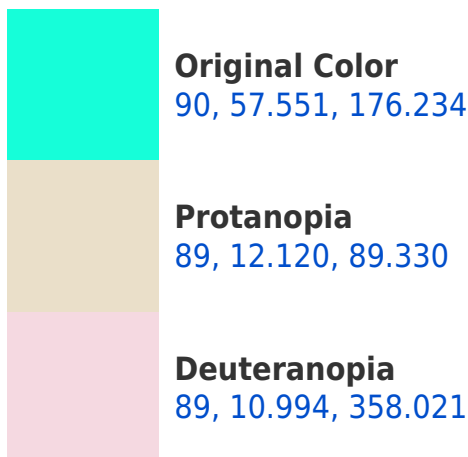



This preview shows how white text looks on a background with the CIELCh color 90, 57.622, 176.254.

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



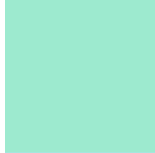


Tritanopia
90, 29.882, 212.935

Trichromacy



Original Color
90, 57.551, 176.234



Protanomaly
87, 29.955, 169.231



Deuteranomaly
87, 22.926, 185.944

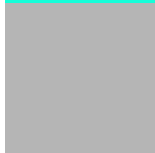


Tritanomaly
89, 40.956, 193.875

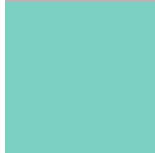
Monochromacy



Original Color
90, 57.551, 176.234



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 29.078, 182.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 57.622, 176.254 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(22, 254, 217)` looks like.

```
.text, #text, p{  
    color:rgb(22, 254, 217)  
}
```

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(22, 254, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 254, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 57.622, 176.254 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(22, 254, 217) }
```

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

```
.border{ border-color:rgb(22, 254, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 254, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 254, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 254, 217);  
box-shadow:4px 4px 4px 4px rgb(22, 254,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 57.622, 176.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 254, 217) }
```

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

```
.background{ background-color: rgb(22, 254,  
217) }
```

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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