

Converting Colors

CIELCh(90, 57.881, 172.500)

Have a look what the booklet for
CIELCh(90, 57.881, 172.500)
contains.

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Color

CIELCh(90, 57.881, 172.500)

Conversions

Conversions Part 1

Format	Color
Hex	33FED2
RGB	51, 254, 210
RGB Percent	20%, 100%, 82%
CMY	0.7993, 0.0036, 0.1761
CMYK	0.80, 0.00, 0.17, 0.00
HSL	167°, 99%, 60%
HSV	167°, 80%, 100%
XYZ	48.4857, 76.3034, 73.1980
YIQ	188.2870, -106.8640, -56.7200

Conversions

Conversions Part 2

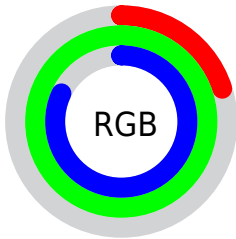
Format	Color
R _{YB}	51, 165, 254
Decimal	3407570
CIE Lab	90.00, -57.39, 7.55
CIE LCh	90, 57.881, 172.500
Yxy	76.3034, 0.2449, 0.3854
Android (android.graphics.Color)	4281597650 (0xFF33FED2)
YUV	188.2870, 10.7045, -120.4007
Hunter-Lab	87.3518, -53.7870, 11.4631

Details

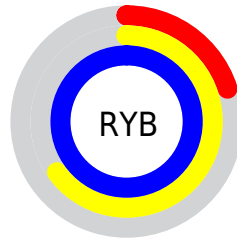
The CIELCh color **90, 57.881, 172.500** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **56, 79.554, 18.876**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **71, 51.321, 170.351** is the 20% darker color. If you saturate the color by 10%, you get **90, 61.187, 170.720**, and if you desaturate by 10%, it is **91, 53.559, 174.099**.

Distribution



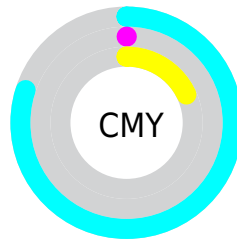
- Red (20%)
- Green (100%)
- Blue (82%)



- Red (20%)
- Yellow (65%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 57.881, 172.500 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, 57.881, 172.500 by changing the saturation by 10% instead.


 90, 57.881,
172.500


 90, 57.881,
172.500

 100, 57.881,
172.500


 80, 57.881,
172.500

 70, 57.881,
172.500

 60, 57.881,
172.500

 50, 57.881,
172.500

 40, 57.881,
172.500

 30, 57.881,
172.500

 20, 57.881,

172.500

■ 10, 57.881,
172.500

■ 0, 57.881, 172.500

■ 90, 57.881,
172.500

■ 90, 57.881,
172.500

■ 90, 61.187,
170.720

■ 91, 53.559,
174.099

■ 89, 63.668,
168.786

■ 91, 48.192,
175.537

■ 89, 63.702,
168.759

■ 92, 41.834,
176.837

■ 93, 34.595,
178.024

■ 95, 26.621,
179.122

■ 96, 18.072,
180.150

■ 98, 9.104, 181.141

■ 100, 0.139,
357.628

■ 100, 0.575,
323.923

Harmonies

Complementary

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



90, 57.881, 172.500



56, 79.554, 18.876

Rectangle

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



90, 57.881, 172.500



90, 57.881, 222.500



90, 57.881, 352.500



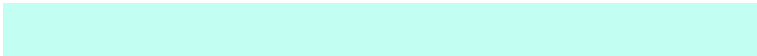
90, 57.881, 42.500

Sweetspot

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



90, 57.881, 172.499



96, 21.736, 179.730



89, 106.435, 133.718



51, 14.821, 179.362



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, 57.881, 172.499



90, 62.942, 169.535



76, 42.442, 241.622



52, 5.269, 181.176



69, 51.202, 169.120



23, 22.783, 171.739

Inverse Universe

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



56, 79.554, 18.876



54, 90.490, 27.194



63, 78.423, 46.423



50, 5.463, 2.814



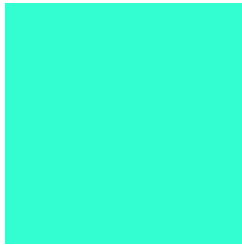
40, 74.128, 28.305



10, 31.885, 17.861

Previews

White Background



This preview shows how the CIE LCh color 90, 57.881, 172.500 looks on a white background.

Color Contrast Check

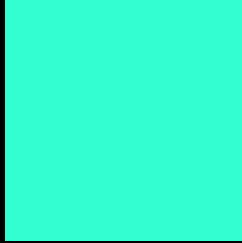
Large Text (above 18pt) WCAG AA × Fail

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, 57.881, 172.500 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, 57.881, 172.500

Background



This preview shows how black text looks on a background with the CIELCh color 90, 57.881, 172.500.

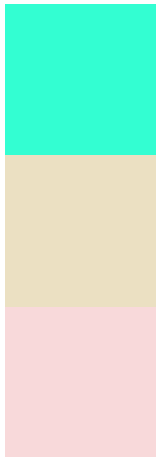


This preview shows how white text looks on a background with the CIELCh color 90, 57.881, 172.500.

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, 57.881, 172.500

Protanopia
89, 16.080, 93.847

Deuteranopia
89, 11.421, 17.597

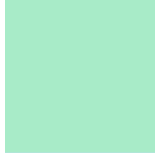


Tritanopia
90, 29.423, 213.205

Trichromacy



Original Color
90, 57.881, 172.500



Protanomaly
88, 29.917, 159.861



Deuteranomaly
87, 20.326, 175.271

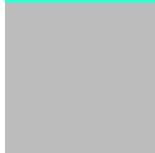


Tritanomaly
89, 39.074, 192.298

Monochromacy



Original Color
90, 57.881, 172.500



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 26.544, 178.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 57.881, 172.500 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(51, 254, 210)` looks like.

```
.text, #text, p{  
    color:rgb(51, 254, 210)  
}
```

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(51, 254, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 254, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 57.881, 172.500 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(51, 254, 210) }
```

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

```
.border{ border-color:rgb(51, 254, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 254, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 254, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 254, 210);  
box-shadow:4px 4px 4px 4px rgb(51, 254,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 57.881, 172.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 254, 210) }
```

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

```
.background{ background-color: rgb(51, 254,  
210) }
```

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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