

Converting Colors

CIELCh(90, 58.749, 171.200)

Have a look what the booklet for
CIELCh(90, 58.749, 171.200)
contains.

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Color

CIELCh(90, 58.721, 171.158)

Conversions

Conversions Part 1

Format	Color
Hex	34FECF
RGB	52, 254, 207
RGB Percent	20%, 100%, 81%
CMY	0.7942, 0.0029, 0.1873
CMYK	0.79, 0.00, 0.18, 0.00
HSL	166°, 99%, 60%
HSV	166°, 79%, 100%
XYZ	48.2540, 76.3034, 71.3697
YIQ	188.2440, -105.3050, -57.4410

Conversions

Conversions Part 2

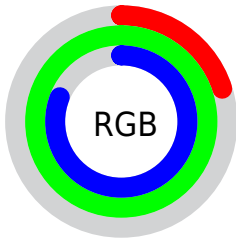
Format	Color
RYB	52, 166, 254
Decimal	3473103
CIELab	90.00, -58.02, 9.03
CIELCh	90, 58.721, 171.158
Yxy	76.3034, 0.2463, 0.3894
Android (android.graphics.Color)	4281663183 (0xFF34FECF)
YUV	188.2440, 9.2467, -119.4860
Hunter-Lab	87.3518, -54.2604, 12.7041

Details

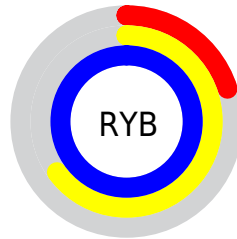
The CIELCh color **90, 58.721, 171.158** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 78.822, 17.340**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **71, 52.340, 168.842** is the 20% darker color. If you saturate the color by 10%, you get **90, 62.249, 169.328**, and if you desaturate by 10%, it is **91, 54.179, 172.800**.

Distribution



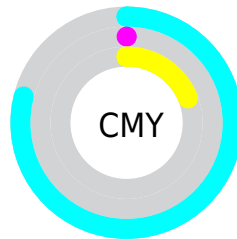
- Red (20%)
- Green (100%)
- Blue (81%)



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



- Cyan (79%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 58.721, 171.158 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, 58.721, 171.158 by changing the saturation by 10% instead.


 90, 58.721,
171.158


 90, 58.721,
171.158


 100, 58.721,
171.158


 80, 58.721,
171.158

 70, 58.721,
171.158

 60, 58.721,
171.158

 50, 58.721,
171.158

 40, 58.721,
171.158

 30, 58.721,
171.158

 20, 58.721,

171.158

■ 10, 58.721,
171.158

■ 0, 58.721, 171.158

■ 90, 58.721,
171.158

■ 90, 58.721,
171.158

■ 90, 62.249,
169.328

■ 91, 54.179,
172.800

■ 89, 64.931,
167.335

■ 91, 48.599,
174.275

■ 89, 65.092,
167.208

■ 92, 42.042,
175.606

■ 93, 34.622,
176.817

■ 95, 26.490,
177.933

■ 96, 17.805,
178.975

■ 98, 8.726, 179.977

100, 0.333,
341.740

100, 0.471,
323.801

Harmonies

Complementary

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



90, 58.721, 171.158



57, 78.822, 17.340

Rectangle

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



90, 58.721, 171.158



90, 58.721, 221.158



90, 58.721, 351.158



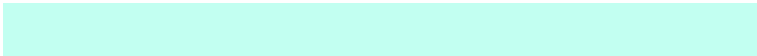
90, 58.721, 41.158

Sweetspot

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



90, 58.721, 171.157



96, 21.944, 178.499



89, 106.088, 133.721



50, 14.968, 178.125



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, 58.721, 171.157



90, 63.978, 168.213



76, 42.331, 241.434



52, 5.311, 179.963



69, 52.274, 167.582



23, 23.199, 170.294

Inverse Universe

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



57, 78.822, 17.340



54, 89.069, 25.329



63, 77.910, 46.416



50, 5.497, 1.616



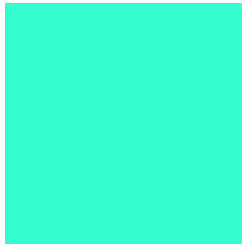
40, 73.378, 27.022



10, 31.793, 16.977

Previews

White Background



This preview shows how the CIE LCh color 90, 58.721, 171.158 looks on a white background.

Color Contrast Check

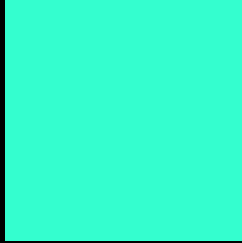
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 58.721, 171.158 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, 58.721, 171.158

Background



This preview shows how black text looks on a background with the CIELCh color 90, 58.721, 171.158.

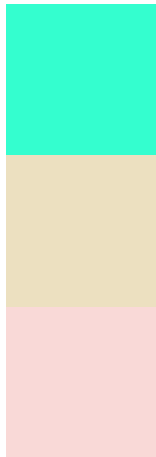


This preview shows how white text looks on a background with the CIELCh color 90, 58.721, 171.158.

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, 58.721, 171.158

Protanopia
89, 17.182, 93.379

Deuteranopia
89, 11.892, 25.185

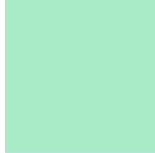


Tritanopia
90, 29.423, 213.205

Trichromacy



Original Color
90, 58.721, 171.158



Protanomaly
88, 30.375, 158.032



Deuteranomaly
88, 21.074, 169.843

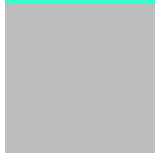


Tritanomaly
89, 39.031, 191.518

Monochromacy



Original Color
90, 58.721, 171.158



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 26.768, 177.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 58.721, 171.158 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(52, 254, 207)` looks like.

```
.text, #text, p{  
    color:rgb(52, 254, 207)  
}
```

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(52, 254, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 254, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 58.721, 171.158 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(52, 254, 207) }
```

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

```
.border{ border-color:rgb(52, 254, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 254, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 254, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 254, 207);  
box-shadow:4px 4px 4px 4px rgb(52, 254,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 58.721, 171.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 254, 207) }
```

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

```
.background{ background-color: rgb(52, 254,  
207) }
```

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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