

Converting Colors

CIELCh(90, 57.019, 175.273)

Have a look what the booklet for
CIELCh(90, 57.019, 175.273)
contains.

CIELCh(90, 56.855, 175.478)	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, 56.855, 175.478)

Conversions

Conversions Part 1

Format	Color
Hex	29FED8
RGB	41, 254, 216
RGB Percent	16%, 100%, 85%
CMY	0.8393, 0.0040, 0.1530
CMYK	0.84, 0.00, 0.15, 0.00
HSL	169°, 99%, 58%
HSV	169°, 84%, 100%
XYZ	48.7439, 76.3034, 77.1168
YIQ	185.9810, -114.7500, -56.9740

Conversions

Conversions Part 2

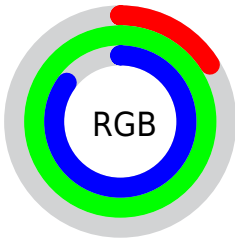
Format	Color
RYB	41, 158, 254
Decimal	2752216
CIELab	90.00, -56.68, 4.48
CIELCh	90, 56.855, 175.478
Yxy	76.3034, 0.2411, 0.3774
Android (android.graphics.Color)	4280942296 (0xFF29FED8)
YUV	185.9810, 14.7994, -127.1483
Hunter-Lab	87.3518, -53.2594, 8.8032

Details

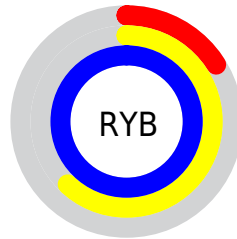
The CIELCh color **90, 56.855, 175.478** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 83.894, 23.829**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **71, 49.679, 172.995** is the 20% darker color. If you saturate the color by 10%, you get **90, 59.381, 173.804**, and if you desaturate by 10%, it is **90, 53.342, 176.988**.

Distribution



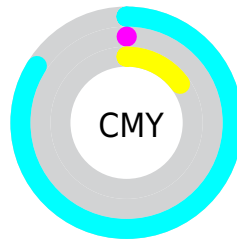
- Red (16%)
- Green (100%)
- Blue (85%)



- Red (16%)
- Yellow (62%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.855, 175.478 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, 56.855, 175.478 by changing the saturation by 10% instead.


 90, 56.855,
175.478


 90, 56.855,
175.478

 100, 56.855,
175.478


 80, 56.855,
175.478

 70, 56.855,
175.478

 60, 56.855,
175.478

 50, 56.855,
175.478

 40, 56.855,
175.478

 30, 56.855,
175.478

 20, 56.855,

175.478

■ 10, 56.855,
175.478

■ 0, 56.855, 175.478

■ 90, 56.855,
175.478

■ 90, 56.855,
175.478

■ 90, 59.381,
173.804

■ 90, 53.342,
176.988

■ 90, 60.577,
172.719

■ 91, 48.769,
178.350

■ 92, 43.154,
179.588

■ 93, 36.581,
180.723

■ 94, 29.179,
181.779

■ 95, 21.100,
182.774

■ 97, 12.501,
183.729

■ 99, 3.533, 184.749

■ 100, 0.636,
323.977

Harmonies

Complementary

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



90, 56.855, 175.478



55, 83.894, 23.829

Rectangle

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



90, 56.855, 175.478



90, 56.855, 225.478



90, 56.855, 355.478



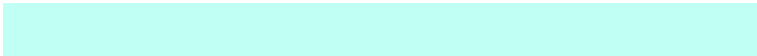
90, 56.855, 45.478

Sweetspot

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



90, 56.855, 175.477



96, 22.116, 182.663



88, 110.601, 134.601



50, 14.960, 182.317



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, 56.855, 175.477



90, 60.762, 172.715



72, 45.751, 252.230



52, 5.177, 184.146



69, 48.749, 173.045



23, 21.833, 175.396

Inverse Universe

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



55, 83.894, 23.829



53, 95.294, 32.151



63, 80.762, 49.618



50, 5.390, 5.732



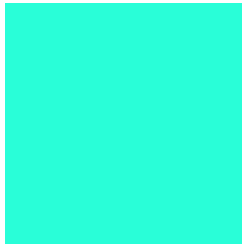
40, 76.026, 31.168



10, 32.112, 19.775

Previews

White Background



This preview shows how the CIE LCh color 90, 56.855, 175.478 looks on a white background.

Color Contrast Check

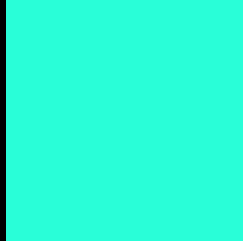
Large Text (above 18pt) WCAG AA × Fail

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, 56.855, 175.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

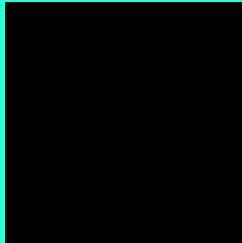
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 56.855, 175.478

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.855, 175.478.

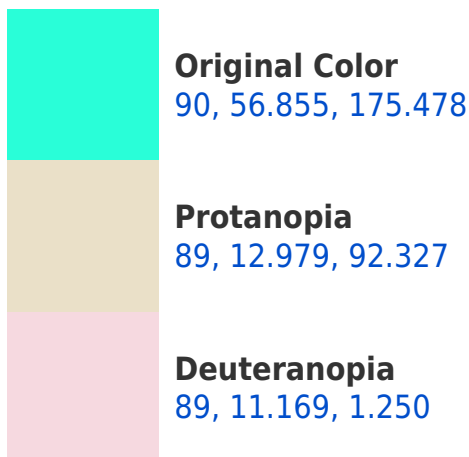



This preview shows how white text looks on a background with the CIELCh color 90, 56.855, 175.478.

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



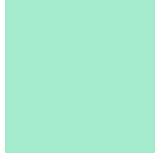


Tritanopia
90, 29.653, 213.068

Trichromacy



Original Color
90, 56.855, 175.478



Protanomaly
88, 28.959, 165.936



Deuteranomaly
87, 20.572, 184.725

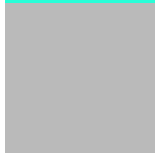


Tritanomaly
89, 39.542, 193.858

Monochromacy



Original Color
90, 56.855, 175.478



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 27.197, 181.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.855, 175.478 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(41, 254, 216)` looks like.

```
.text, #text, p{  
    color:rgb(41, 254, 216)  
}
```

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(41, 254, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 254, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.855, 175.478 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(41, 254, 216) }
```

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

```
.border{ border-color:rgb(41, 254, 216) }
```

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

Here you see how a box with a 4 pixel rgb(41, 254, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 254, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 254, 216);  
box-shadow:4px 4px 4px 4px rgb(41, 254,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.855, 175.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 254, 216) }
```

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

```
.background{ background-color: rgb(41, 254,  
216) }
```

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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