

Converting Colors

CIELCh(90, 55.519, 177.344)

Have a look what the booklet for
CIELCh(90, 55.519, 177.344)
contains.

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Color

CIELCh(90, 55.589, 177.339)

Conversions

Conversions Part 1

Format	Color
Hex	2AFEDC
RGB	42, 254, 220
RGB Percent	16%, 100%, 86%
CMY	0.8345, 0.0053, 0.1386
CMYK	0.83, 0.00, 0.13, 0.01
HSL	170°, 99%, 58%
HSV	170°, 83%, 99%
XYZ	49.1649, 76.3034, 79.6112
YIQ	186.7360, -115.4380, -55.5180

Conversions

Conversions Part 2

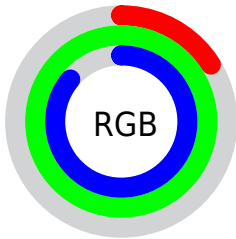
Format	Color
RYB	42, 157, 254
Decimal	2817756
CIELab	90.00, -55.53, 2.58
CIELCh	90, 55.589, 177.339
Yxy	76.3034, 0.2397, 0.3721
Android (android.graphics.Color)	4281007836 (0xFF2AFEDC)
YUV	186.7360, 16.3992, -126.9335
Hunter-Lab	87.3518, -52.3991, 7.1102

Details

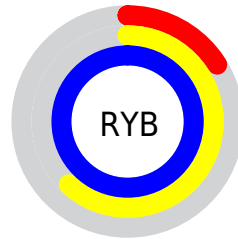
The CIELCh color **90, 55.589, 177.339** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 84.129, 24.944**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **71, 48.423, 175.230** is the 20% darker color. If you saturate the color by 10%, you get **90, 57.981, 175.772**, and if you desaturate by 10%, it is **90, 52.199, 178.754**.

Distribution



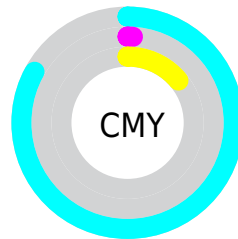
- Red (16%)
- Green (100%)
- Blue (86%)



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



- Cyan (83%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (83%)
- Magenta (1%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 55.589, 177.339 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, 55.589, 177.339 by changing the saturation by 10% instead.


 90, 55.589,
177.339


 90, 55.589,
177.339


 100, 55.589,
177.339


 80, 55.589,
177.339

 70, 55.589,
177.339

 60, 55.589,
177.339

 50, 55.589,
177.339

 40, 55.589,
177.339

 30, 55.589,
177.339

 20, 55.589,

177.339

■ 10, 55.589,
177.339

■ 0, 55.589, 177.339

■ 90, 55.589,
177.339

■ 90, 55.589,
177.339

■ 90, 57.981,
175.772

■ 90, 52.199,
178.754

■ 90, 59.163,
174.667

■ 91, 47.742,
180.034

■ 92, 42.237,
181.203

■ 93, 35.768,
182.283

■ 94, 28.462,
183.294

■ 95, 20.470,
184.253

■ 97, 11.950,
185.182

■ 99, 3.048, 186.207

■ 100, 0.849,
324.107

Harmonies

Complementary

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



90, 55.589, 177.339



55, 84.129, 24.944

Rectangle

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



90, 55.589, 177.339



90, 55.589, 227.339



90, 55.589, 357.339



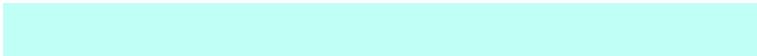
90, 55.589, 47.339

Sweetspot

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



90, 55.589, 177.338



96, 21.916, 184.098



88, 110.507, 134.866



50, 14.817, 183.763



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, 55.589, 177.338



90, 59.405, 174.662



71, 46.514, 254.824



52, 5.140, 185.543



69, 47.681, 174.972



23, 21.420, 177.176

Inverse Universe

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



55, 84.129, 24.944



53, 96.438, 33.323



64, 79.529, 50.796



50, 5.362, 7.096



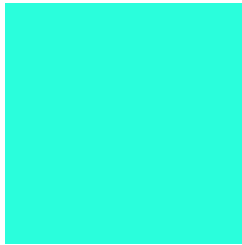
40, 76.927, 32.378



10, 32.216, 20.563

Previews

White Background



This preview shows how the CIE LCh color 90, 55.589, 177.339 looks on a white background.

Color Contrast Check

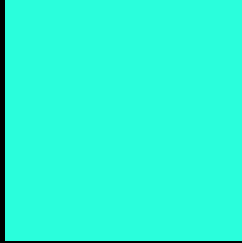
Large Text (above 18pt) WCAG AA × Fail

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, 55.589, 177.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

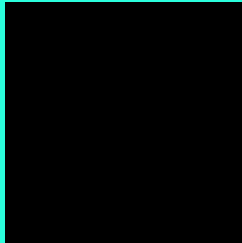
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 55.589, 177.339

Background



This preview shows how black text looks on a background with the CIELCh color 90, 55.589, 177.339.




This preview shows how white text looks on a background with the CIELCh color 90, 55.589, 177.339.

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



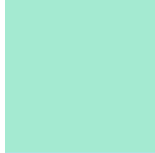


Tritanopia
90, 29.653, 213.068

Trichromacy



Original Color
90, 55.658, 177.358



Protanomaly
88, 27.494, 169.157



Deuteranomaly
87, 19.982, 190.504

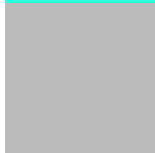


Tritanomaly
89, 39.409, 194.626

Monochromacy



Original Color
90, 55.658, 177.358



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 26.511, 183.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 55.589, 177.339 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(42, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(42, 254, 220)  
}
```

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(42, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 254, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 55.589, 177.339 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(42, 254, 220) }
```

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

```
.border{ border-color:rgb(42, 254, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 254, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 254, 220);  
box-shadow:4px 4px 4px 4px rgb(42, 254,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 55.589, 177.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 254, 220) }
```

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

```
.background{ background-color: rgb(42, 254,  
220) }
```

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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