

Converting Colors

CIELCh(90, 56.140, 170.883)

Have a look what the booklet for
CIELCh(90, 56.140, 170.883)
contains.

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Color

CIELCh(90, 55.902, 171.159)

Conversions

Conversions Part 1

Format	Color
Hex	48FDD0
RGB	72, 253, 208
RGB Percent	28%, 99%, 82%
CMY	0.7167, 0.0072, 0.1837
CMYK	0.71, 0.00, 0.18, 0.01
HSL	165°, 98%, 64%
HSV	165°, 71%, 99%
XYZ	49.2720, 76.3034, 71.9063
YIQ	193.7510, -93.4310, -52.3670

Conversions

Conversions Part 2

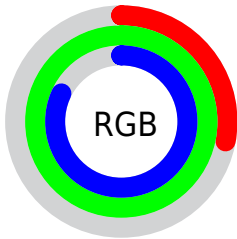
Format	Color
RYB	72, 175, 253
Decimal	4783568
CIELab	90.00, -55.24, 8.59
CIELCh	90, 55.902, 171.159
Yxy	76.3034, 0.2495, 0.3864
Android (android.graphics.Color)	4282973648 (0xFF48FDD0)
YUV	193.7510, 7.0248, -106.7756
Hunter-Lab	87.3518, -52.1802, 12.3399

Details

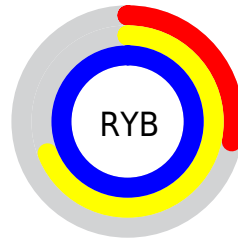
The CIELCh color **90, 55.902, 171.159** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **59, 72.079, 12.834**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.553, 197.356**, and **70, 51.527, 169.742** is the 20% darker color. If you saturate the color by 10%, you get **89, 60.379, 169.431**, and if you desaturate by 10%, it is **91, 50.396, 172.706**.

Distribution



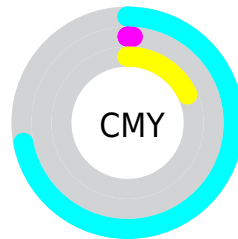
- Red (28%)
- Green (99%)
- Blue (82%)



- Red (28%)
- Yellow (69%)
- Blue (99%)



- Cyan (71%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (72%)
- Magenta (1%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 55.902, 171.159 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, 55.902, 171.159 by changing the saturation by 10% instead.


 90, 55.902,
171.159


 90, 55.902,
171.159


 100, 55.902,
171.159


 80, 55.902,
171.159

 70, 55.902,
171.159

 60, 55.902,
171.159

 50, 55.902,
171.159

 40, 55.902,
171.159

 30, 55.902,
171.159

 20, 55.902,

171.159

■ 10, 55.902,
171.159

■ 0, 55.902, 171.159

■ 90, 55.902,
171.159

■ 90, 55.902,
171.159

■ 89, 60.379,
169.431

■ 91, 50.396,
172.706

■ 89, 63.865,
167.512

■ 92, 43.907,
174.097

■ 89, 66.229,
165.755

■ 93, 36.542,
175.357

■ 94, 28.448,
176.511

95, 19.785,
177.582

97, 10.712,
178.597

99, 1.376, 179.902

100, 1.145,
324.212

Harmonies

Complementary

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



90, 55.902, 171.159



59, 72.079, 12.834

Rectangle

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



90, 55.902, 171.159



90, 55.902, 221.159



90, 55.902, 351.159



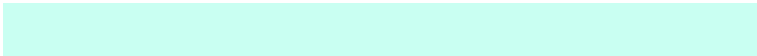
90, 55.902, 41.159

Sweetspot

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



90, 55.902, 171.158



96, 19.485, 177.629



89, 98.029, 133.504



51, 13.127, 177.341



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, 55.902, 171.158



90, 62.429, 168.578



78, 39.579, 235.740



52, 5.355, 178.794



69, 53.345, 166.134



23, 23.616, 168.926

Inverse Universe

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



59, 72.079, 12.834



55, 83.142, 19.181



65, 69.184, 45.023



50, 5.533, 0.459



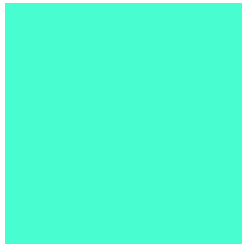
40, 72.677, 25.724



10, 31.706, 16.062

Previews

White Background



This preview shows how the CIE LCh color 90, 55.902, 171.159 looks on a white background.

Color Contrast Check

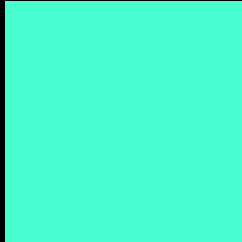
Large Text (above 18pt) WCAG AA × Fail

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, 55.902, 171.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

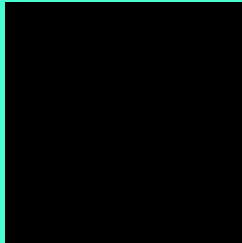
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 55.902, 171.159

Background



This preview shows how black text looks on a background with the CIELCh color 90, 55.902, 171.159.

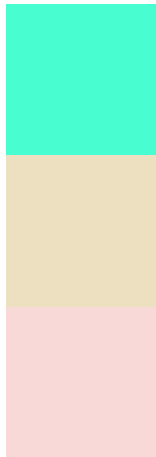


This preview shows how white text looks on a background with the CIELCh color 90, 55.902, 171.159.

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, 55.902, 171.159

Protanopia

89, 16.683, 92.973

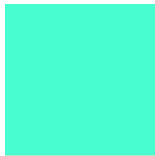
Deuteranopia

89, 11.837, 22.709



Tritanopia
90, 28.724, 213.630

Trichromacy



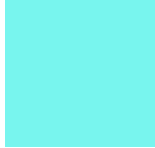
Original Color
90, 55.902, 171.159



Protanomaly
88, 28.258, 156.055



Deuteranomaly
88, 18.212, 168.977

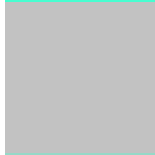


Tritanomaly
90, 37.216, 191.370

Monochromacy



Original Color
90, 55.902, 171.159



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 24.493, 175.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 55.902, 171.159 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(72, 253, 208)` looks like.

```
.text, #text, p{  
    color:rgb(72, 253, 208)  
}
```

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(72, 253, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 253, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 55.902, 171.159 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(72, 253, 208) }
```

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

```
.border{ border-color:rgb(72, 253, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 253, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 253, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 253, 208);  
box-shadow:4px 4px 4px 4px rgb(72, 253,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 55.902, 171.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 253, 208) }
```

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

```
.background{ background-color: rgb(72, 253,  
208) }
```

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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