

Converting Colors

CIELCh(90, 63.544, 167.716)

Have a look what the booklet for
CIELCh(90, 63.544, 167.716)
contains.

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Color

CIELCh(90, 63.434, 167.712)

Conversions

Conversions Part 1

Format	Color
Hex	22FFC7
RGB	34, 255, 199
RGB Percent	13%, 100%, 78%
CMY	0.8684, 0.0000, 0.2215
CMYK	0.87, 0.00, 0.22, 0.00
HSL	165°, 100%, 57%
HSV	165°, 87%, 100%
XYZ	46.8319, 76.3034, 65.9963
YIQ	182.5370, -113.7400, -64.2680

Conversions

Conversions Part 2

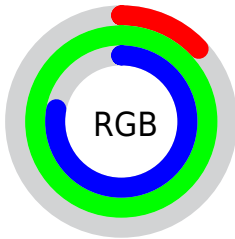
Format	Color
RYB	34, 161, 255
Decimal	2293703
CIELab	90.00, -61.98, 13.50
CIELCh	90, 63.434, 167.712
Yxy	76.3034, 0.2476, 0.4034
Android (android.graphics.Color)	4280483783 (0xFF22FFC7)
YUV	182.5370, 8.1163, -130.2669
Hunter-Lab	87.3518, -57.1664, 16.3513

Details

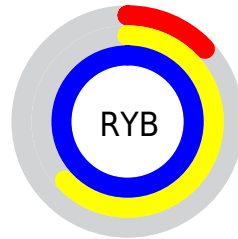
The CIELCh color **90, 63.434, 167.712** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 83.466, 19.074**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **71, 55.647, 164.747** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.276, 165.836**, and if you desaturate by 10%, it is **90, 59.161, 169.726**.

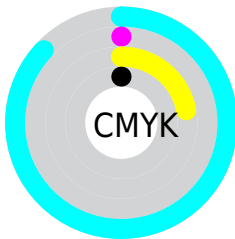
Distribution



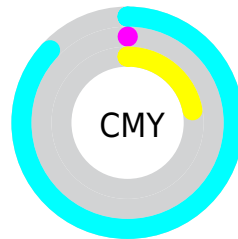
- Red (13%)
- Green (100%)
- Blue (78%)



- Red (13%)
- Yellow (63%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.434, 167.712 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, 63.434, 167.712 by changing the saturation by 10% instead.


 90, 63.434,
167.712


 90, 63.434,
167.712


 100, 63.434,
167.712


 80, 63.434,
167.712

 70, 63.434,
167.712

 60, 63.434,
167.712


 50, 63.434,
167.712

 40, 63.434,
167.712


 30, 63.434,
167.712


 20, 63.434,


167.712


 10, 63.434,
167.712


 0, 63.434, 167.712


 90, 63.434,
167.712


 90, 63.434,
167.712


 90, 66.276,
165.836

 90, 59.161,
169.726

 90, 67.149,
165.181

 91, 54.115,
171.385

 92, 48.049,
172.871

 93, 41.041,
174.210

■ 94, 33.221,
175.428

■ 95, 24.747,
176.547

■ 97, 15.782,
177.592

■ 99, 6.480, 178.610

100, 0.012,
296.813

Harmonies

Complementary

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



90, 63.434, 167.712



55, 83.466, 19.074

Rectangle

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



90, 63.434, 167.712



90, 63.434, 217.712



90, 63.434, 347.712



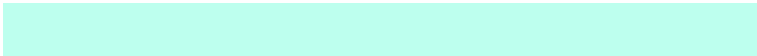
90, 63.434, 37.712

Sweetspot

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



90, 63.181, 167.876



95, 24.009, 176.638



89, 110.836, 133.169



50, 16.165, 176.262



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, 63.181, 167.876



90, 67.149, 165.181



76, 43.199, 238.047



52, 5.373, 178.334



69, 53.778, 165.572



23, 23.784, 168.394

Inverse Universe

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



55, 83.466, 19.074



54, 90.594, 26.276



60, 87.589, 44.616



50, 5.548, 0.002



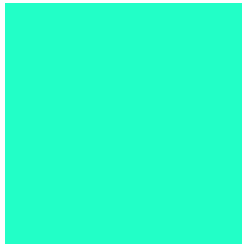
40, 72.408, 25.196



10, 31.673, 15.684

Previews

White Background



This preview shows how the CIE LCh color 90, 63.434, 167.712 looks on a white background.

Color Contrast Check

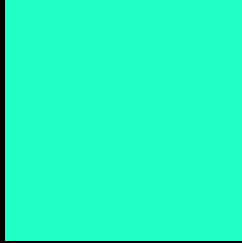
Large Text (above 18pt) WCAG AA × Fail

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, 63.434, 167.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

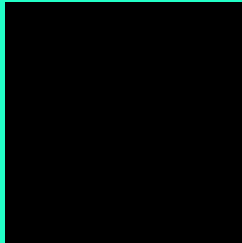
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

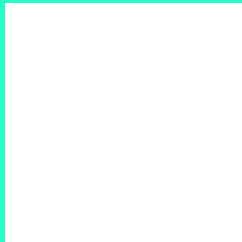
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 63.434, 167.712

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.434, 167.712.

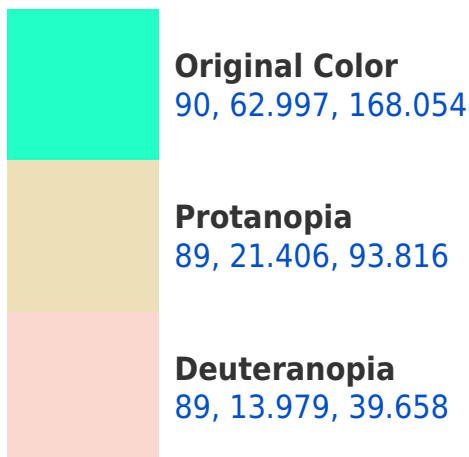


This preview shows how white text looks on a background with the CIELCh color 90, 63.434, 167.712.

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



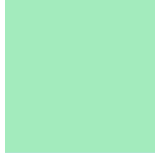


Tritanopia
89, 30.110, 212.804

Trichromacy



Original Color
90, 62.997, 168.054



Protanomaly
87, 35.183, 154.247



Deuteranomaly
87, 24.612, 164.179

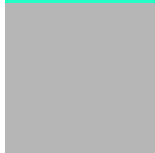


Tritanomaly
89, 41.375, 188.735

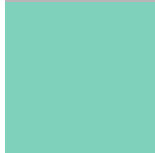
Monochromacy



Original Color
90, 62.997, 168.054



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 29.715, 174.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.434, 167.712 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(34, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(34, 255, 199)  
}
```

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(34, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 255, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.434, 167.712 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(34, 255, 199) }
```

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

```
.border{ border-color:rgb(34, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(34, 255,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.434, 167.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 255, 199) }
```

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

```
.background{ background-color: rgb(34, 255,  
199) }
```

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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