

Converting Colors

CIELCh(90, 63.173, 168.806)

Have a look what the booklet for
CIELCh(90, 63.173, 168.806)
contains.

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Color

CIELCh(90, 62.856, 169.034)

Conversions

Conversions Part 1

Format	Color
Hex	19FFC9
RGB	25, 255, 201
RGB Percent	10%, 100%, 79%
CMY	0.9021, 0.0000, 0.2098
CMYK	0.90, 0.00, 0.21, 0.00
HSL	166°, 100%, 55%
HSV	166°, 90%, 100%
XYZ	46.9289, 76.3034, 67.8183
YIQ	180.0740, -119.7460, -65.5540

Conversions

Conversions Part 2

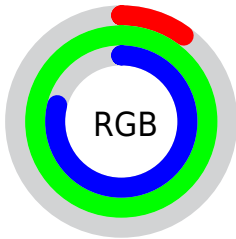
Format	Color
R _Y B	25, 155, 255
Decimal	1703881
CIE Lab	90.00, -61.71, 11.96
CIE LCh	90, 62.856, 169.034
Yxy	76.3034, 0.2456, 0.3994
Android (android.graphics.Color)	4279893961 (0xFF19FFC9)
YUV	180.0740, 10.3165, -135.9999
Hunter-Lab	87.3518, -56.9682, 15.1146

Details

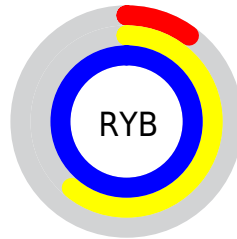
The CIELCh color **90, 62.856, 169.034** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 86.317, 22.725**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **71, 54.926, 165.639** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.204, 167.244**, and if you desaturate by 10%, it is **90, 59.168, 171.043**.

Distribution



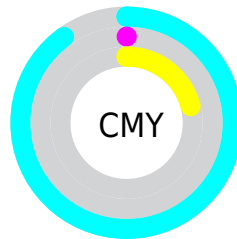
- Red (10%)
- Green (100%)
- Blue (79%)



- Red (10%)
- Yellow (61%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 62.856, 169.034 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, 62.856, 169.034 by changing the saturation by 10% instead.


 90, 62.856,
169.034


 90, 62.856,
169.034


 100, 62.856,
169.034


 80, 62.856,
169.034

 70, 62.856,
169.034

 60, 62.856,
169.034

 50, 62.856,
169.034

 40, 62.856,
169.034

 30, 62.856,
169.034

 20, 62.856,

169.034

■ 10, 62.856,
169.034

■ 0, 62.856, 169.034

■ 90, 62.856,
169.034

■ 90, 62.856,
169.034

■ 90, 65.204,
167.244

■ 90, 59.168,
171.043

■ 91, 54.709,
172.701

■ 91, 49.208,
174.188

■ 92, 42.719,
175.529

■ 93, 35.354,
176.750

■ 95, 27.260,
177.872

■ 96, 18.598,
178.920

■ 98, 9.528, 179.923

100, 0.192,
183.903

Harmonies

Complementary

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



90, 62.856, 169.034



55, 86.317, 22.725

Rectangle

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



90, 62.856, 169.034



90, 62.856, 219.034



90, 62.856, 349.034



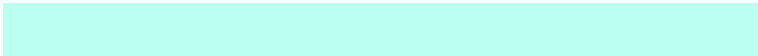
90, 62.856, 39.034

Sweetspot

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



90, 62.616, 169.199



95, 24.534, 178.216



89, 113.547, 133.901



50, 16.409, 177.850



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, 62.616, 169.199



90, 65.204, 167.244



73, 45.021, 245.996



52, 5.310, 179.994



69, 52.246, 167.620



23, 23.188, 170.330

Inverse Universe

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



55, 86.317, 22.725



54, 91.895, 28.119



60, 89.374, 46.268



50, 5.496, 1.647



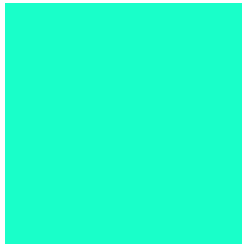
40, 73.397, 27.056



10, 31.796, 17.000

Previews

White Background



This preview shows how the CIE LCh color 90, 62.856, 169.034 looks on a white background.

Color Contrast Check

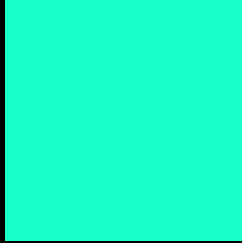
Large Text (above 18pt) WCAG AA × Fail

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, 62.856, 169.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

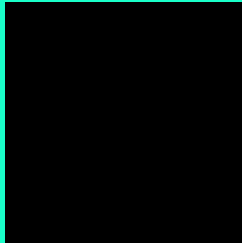
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 62.856, 169.034

Background



This preview shows how black text looks on a background with the CIELCh color 90, 62.856, 169.034.

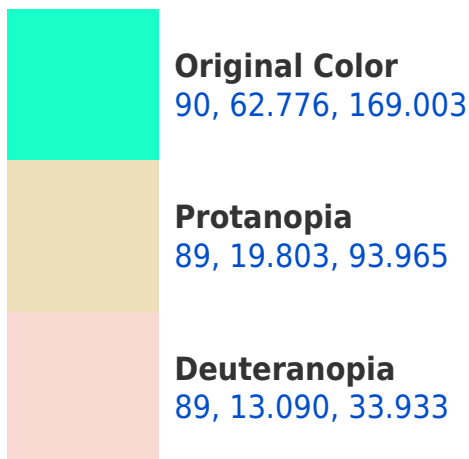


This preview shows how white text looks on a background with the CIELCh color 90, 62.856, 169.034.

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



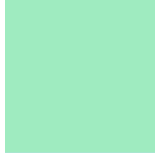


Tritanopia
89, 30.110, 212.804

Trichromacy



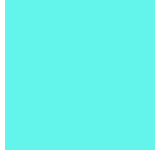
Original Color
90, 62.776, 169.003



Protanomaly
87, 35.022, 157.326



Deuteranomaly
87, 24.782, 168.611

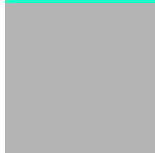


Tritanomaly
89, 41.556, 190.224

Monochromacy



Original Color
90, 62.776, 169.003



Achromatopsia
73, 0.009, 296.813



Achromatomaly
78, 29.740, 177.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 62.856, 169.034 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(25, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 201)  
}
```

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(25, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 62.856, 169.034 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(25, 255, 201) }
```

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

```
.border{ border-color:rgb(25, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(25, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 62.856, 169.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 201) }
```

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

```
.background{ background-color: rgb(25, 255,  
201) }
```

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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