

Converting Colors

CIELCh(90, 61.150, 172.186)

Have a look what the booklet for
CIELCh(90, 61.150, 172.186)
contains.

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Color

CIElCh(90, 60.876, 172.486)

Conversions

Conversions Part 1

Format	Color
Hex	04FFD1
RGB	4, 255, 209
RGB Percent	2%, 100%, 82%
CMY	0.9857, 0.0000, 0.1795
CMYK	0.99, 0.00, 0.18, 0.00
HSL	169°, 100%, 51%
HSV	169°, 99%, 100%
XYZ	47.4133, 76.3034, 72.6908
YIQ	174.7070, -134.8300, -67.5180

Conversions

Conversions Part 2

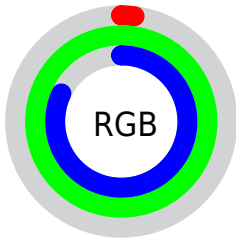
Format	Color
RYB	4, 142, 255
Decimal	327633
CIELab	90.00, -60.35, 7.96
CIElCh	90, 60.876, 172.486
Yxy	76.3034, 0.2414, 0.3885
Android (android.graphics.Color)	4278517713 (0xFF04FFD1)
YUV	174.7070, 16.9064, -149.7100
Hunter-Lab	87.3518, -55.9784, 11.8074

Details

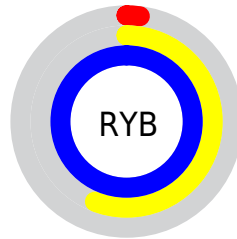
The CIELCh color **90, 60.876, 172.486** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 94.134, 31.189**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **71, 52.128, 169.438** is the 20% darker color. If you saturate the color by 10%, you get **90, 61.056, 172.314**, and if you desaturate by 10%, it is **90, 58.587, 174.328**.

Distribution



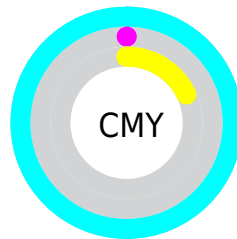
- Red (2%)
- Green (100%)
- Blue (82%)



- Red (2%)
- Yellow (56%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 60.876, 172.486 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, 60.876, 172.486 by changing the saturation by 10% instead.


 90, 60.876,
172.486


 90, 60.876,
172.486


 100, 60.876,
172.486


 80, 60.876,
172.486

 70, 60.876,
172.486

 60, 60.876,
172.486

 50, 60.876,
172.486

 40, 60.876,
172.486

 30, 60.876,
172.486

 20, 60.876,

172.486

■ 10, 60.876,
172.486

■ 0, 60.876, 172.486

■ 90, 60.876,
172.486

■ 90, 60.876,
172.486

■ 90, 61.056,
172.314

■ 90, 58.587,
174.328

■ 91, 55.508,
175.934

■ 91, 51.389,
177.380

■ 92, 46.208,
178.687

■ 93, 40.021,
179.880

■ 94, 32.940,
180.980

■ 95, 25.110,
182.009

■ 97, 16.688,
182.985

■ 98, 7.829, 183.944

Harmonies

Complementary

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



90, 60.876, 172.486



54, 94.134, 31.189

Rectangle

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



90, 60.876, 172.486



90, 60.876, 222.486



90, 60.876, 352.486



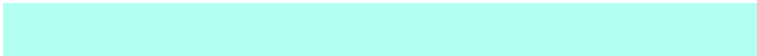
90, 60.876, 42.486

Sweetspot

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



90, 60.774, 172.566



95, 26.267, 181.865



88, 117.737, 134.965



50, 17.713, 181.436



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

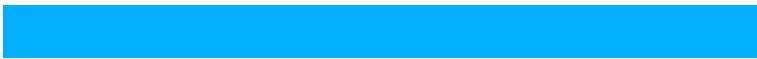
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 60.774, 172.566



90, 61.056, 172.314



68, 50.425, 259.548



52, 5.186, 183.853



69, 48.980, 172.647



23, 21.922, 175.027

Inverse Universe

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



54, 94.134, 31.189



53, 95.052, 31.893



59, 93.392, 47.775



50, 5.397, 5.445



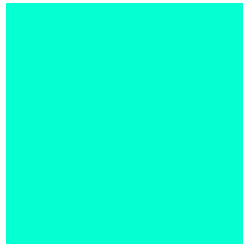
40, 75.837, 30.902



10, 32.090, 19.601

Previews

White Background



This preview shows how the CIE LCh color 90, 60.876, 172.486 looks on a white background.

Color Contrast Check

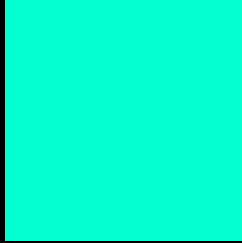
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 60.876, 172.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

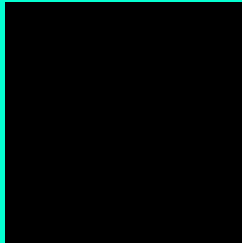
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 60.876, 172.486

Background



This preview shows how black text looks on a background with the CIELCh color 90, 60.876, 172.486.

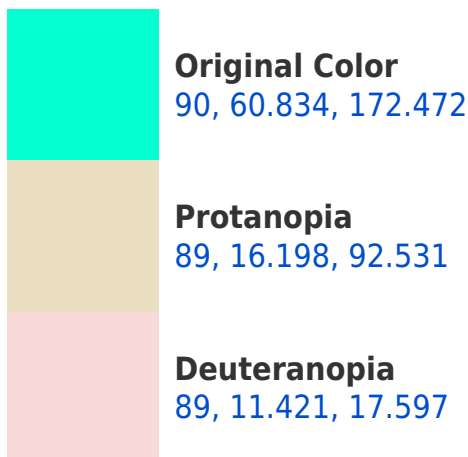



This preview shows how white text looks on a background with the CIELCh color 90, 60.876, 172.486.

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



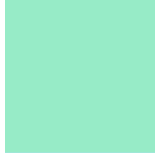


Tritanopia
90, 29.882, 212.935

Trichromacy



Original Color
90, 60.834, 172.472



Protanomaly
87, 34.554, 164.102

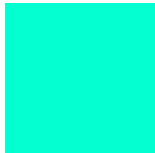


Deuteranomaly
87, 25.741, 178.584

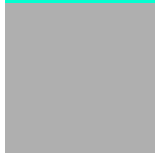


Tritanomaly
89, 42.393, 191.736

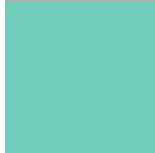
Monochromacy



Original Color
90, 60.834, 172.472



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 31.297, 179.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 60.876, 172.486 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(4, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 209)  
}
```

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(4, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 60.876, 172.486 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(4, 255, 209) }
```

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

```
.border{ border-color:rgb(4, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(4, 255,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 60.876, 172.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 209) }
```

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

```
.background{ background-color: rgb(4, 255,  
209) }
```

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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