

Converting Colors

CIELCh(88, 91.867, 171.870)

Have a look what the booklet for
CIELCh(88, 91.867, 171.870)
contains.

CIELCh(90, 66.110, 166.262)	3
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Color

CIElCh(90, 66.110, 166.262)

Conversions

Conversions Part 1

Format	Color
Hex	09FFC2
RGB	9, 255, 194
RGB Percent	4%, 100%, 76%
CMY	0.9658, 0.0000, 0.2384
CMYK	0.97, 0.00, 0.24, 0.00
HSL	165°, 100%, 52%
HSV	165°, 97%, 100%
XYZ	46.0402, 76.3034, 63.4566
YIQ	174.4920, -127.0350, -71.1230

Conversions

Conversions Part 2

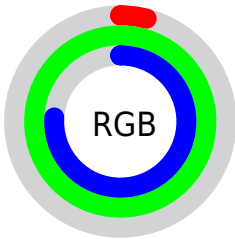
Format	Color
R_{YB}	9, 149, 255
Decimal	655298
CIE _{Lab}	90.00, -64.22, 15.70
CIE _{LCh}	90, 66.110, 166.262
Yxy	76.3034, 0.2478, 0.4107
Android (android.graphics.Color)	4278845378 (0xFF09FFC2)
YUV	174.4920, 9.6174, -145.1365
Hunter-Lab	87.3518, -58.7842, 18.0751

Details

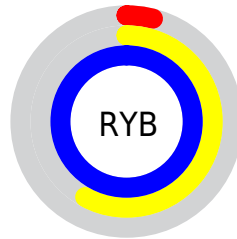
The CIELCh color **90, 66.110, 166.262** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 89.207, 25.071**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.349, 193.952**, and **71, 57.481, 162.610** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.435, 165.919**, and if you desaturate by 10%, it is **90, 62.494, 168.632**.

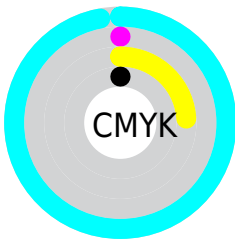
Distribution



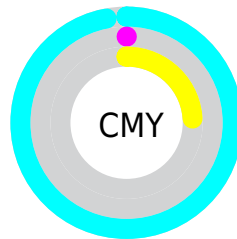
- Red (4%)
- Green (100%)
- Blue (76%)



- Red (4%)
- Yellow (58%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 66.110, 166.262 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, 66.110, 166.262 by changing the saturation by 10% instead.


 90, 66.110,
166.262


 90, 66.110,
166.262


 100, 66.110,
166.262


 80, 66.110,
166.262

 70, 66.110,
166.262

 60, 66.110,
166.262


 50, 66.110,
166.262

 40, 66.110,
166.262


 30, 66.110,
166.262


 20, 66.110,


166.262


 10, 66.110,
166.262


 0, 66.110, 166.262


 90, 66.110,
166.262


 90, 66.110,
166.262

 90, 66.435,
165.919

 90, 62.494,
168.632

 90, 58.535,
170.452

 91, 53.548,
172.085

 92, 47.537,
173.550

■ 93, 40.582,
174.872

■ 94, 32.813,
176.075

■ 95, 24.387,
177.184

■ 97, 15.466,
178.222

■ 99, 6.204, 179.238

Harmonies

Complementary

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



90, 66.110, 166.262



54, 89.207, 25.071

Rectangle

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



90, 66.110, 166.262



90, 66.110, 216.262



90, 66.110, 346.262



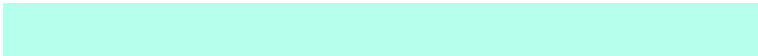
90, 66.110, 36.262

Sweetspot

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



90, 65.520, 166.622



95, 26.481, 176.923



88, 115.784, 133.990



50, 17.999, 176.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

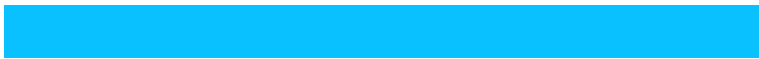
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 65.520, 166.622



90, 66.435, 165.919



73, 45.427, 245.658



52, 5.350, 178.934



69, 53.215, 166.305



23, 23.565, 169.088

Inverse Universe

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



54, 89.207, 25.071



54, 91.058, 26.958



58, 95.268, 44.945



50, 5.529, 0.597



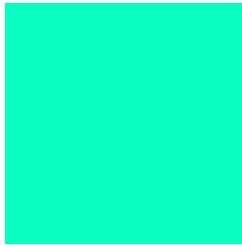
40, 72.759, 25.883



10, 31.717, 16.175

Previews

White Background



This preview shows how the CIE LCh color 90, 66.110, 166.262 looks on a white background.

Color Contrast Check

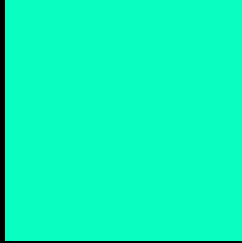
Large Text (above 18pt) WCAG AA × Fail

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, 66.110, 166.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

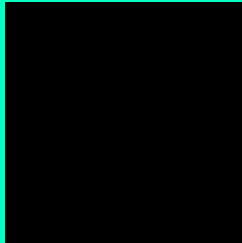
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 66.110, 166.262

Background



This preview shows how black text looks on a background with the CIELCh color 90, 66.110, 166.262.

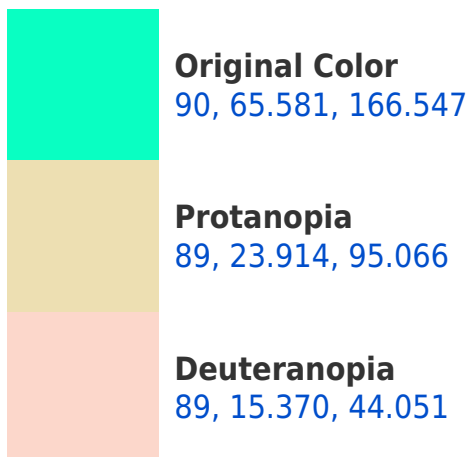



This preview shows how white text looks on a background with the CIELCh color 90, 66.110, 166.262.

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



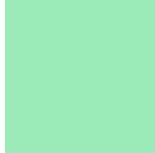


Tritanopia
89, 30.785, 212.426

Trichromacy



Original Color
90, 65.581, 166.547



Protanomaly
87, 39.201, 154.228



Deuteranomaly
86, 28.058, 163.447

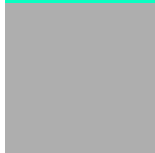


Tritanomaly
89, 43.420, 188.282

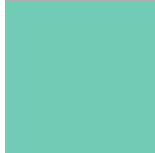
Monochromacy



Original Color
90, 65.581, 166.547



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 32.086, 175.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 66.110, 166.262 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(9, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 194)  
}
```

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(9, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 66.110, 166.262 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(9, 255, 194) }
```

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

```
.border{ border-color:rgb(9, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(9, 255,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 66.110, 166.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 194) }
```

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

```
.background{ background-color: rgb(9, 255,  
194) }
```

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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