

Converting Colors

CIELCh(90, 67.255, 170.425)

Have a look what the booklet for
CIELCh(90, 67.255, 170.425)
contains.

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Color

CIElCh(90, 62.807, 170.047)

Conversions

Conversions Part 1

Format	Color
Hex	04FFCC
RGB	4, 255, 204
RGB Percent	2%, 100%, 80%
CMY	0.9826, 0.0000, 0.2015
CMYK	0.98, 0.00, 0.20, 0.00
HSL	168°, 100%, 51%
HSV	168°, 98%, 100%
XYZ	46.8743, 76.3034, 69.1386
YIQ	174.1370, -133.2250, -69.0730

Conversions

Conversions Part 2

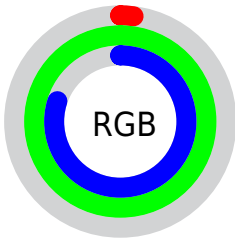
Format	Color
RYB	4, 144, 255
Decimal	327628
CIELab	90.00, -61.86, 10.86
CIELCh	90, 62.807, 170.047
Yxy	76.3034, 0.2437, 0.3968
Android (android.graphics.Color)	4278517708 (0xFF04FFCC)
YUV	174.1370, 14.7225, -149.2101
Hunter-Lab	87.3518, -57.0799, 14.2184

Details

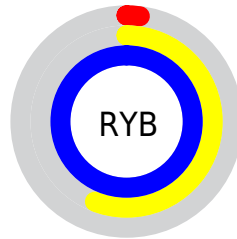
The CIELCh color **90, 62.807, 170.047** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 92.513, 29.342**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **71, 53.859, 167.020** is the 20% darker color. If you saturate the color by 10%, you get **90, 62.903, 169.928**, and if you desaturate by 10%, it is **90, 60.067, 172.127**.

Distribution



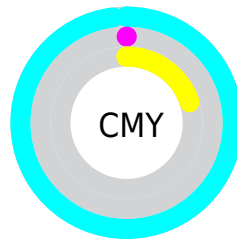
- Red (2%)
- Green (100%)
- Blue (80%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 62.807, 170.047 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, 62.807, 170.047 by changing the saturation by 10% instead.


 90, 62.807,
170.047


 90, 62.807,
170.047


 100, 62.807,
170.047


 80, 62.807,
170.047

 70, 62.807,
170.047

 60, 62.807,
170.047


 50, 62.807,
170.047

 40, 62.807,
170.047


 30, 62.807,
170.047


 20, 62.807,


170.047


 10, 62.807,
170.047


 0, 62.807, 170.047


 90, 62.807,
170.047


 90, 62.807,
170.047

 90, 62.903,
169.928

 90, 60.067,
172.127

 90, 56.720,
173.831

 91, 52.339,
175.362

 92, 46.908,
176.742

■ 93, 40.488,
177.994

■ 94, 33.198,
179.143

■ 95, 25.184,
180.210

■ 97, 16.608,
181.216

■ 98, 7.623, 182.199

Harmonies

Complementary

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



90, 62.807, 170.047



54, 92.513, 29.342

Rectangle

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



90, 62.807, 170.047



90, 62.807, 220.047



90, 62.807, 350.047



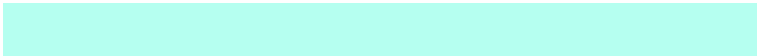
90, 62.807, 40.047

Sweetspot

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



90, 62.517, 170.256



95, 25.799, 180.133



88, 117.038, 134.560



50, 17.513, 179.685



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, 62.517, 170.256



90, 62.903, 169.928



71, 47.728, 253.163



52, 5.239, 182.074



69, 50.434, 170.283



23, 22.485, 172.828

Inverse Universe

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



54, 92.513, 29.342



54, 93.585, 30.242



58, 94.846, 46.208



50, 5.439, 3.699



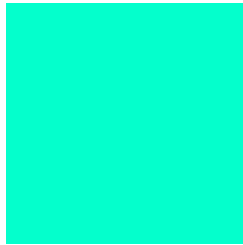
40, 74.696, 29.212



10, 31.954, 18.477

Previews

White Background



This preview shows how the CIELCh color 90, 62.807, 170.047 looks on a white background.

Color Contrast Check

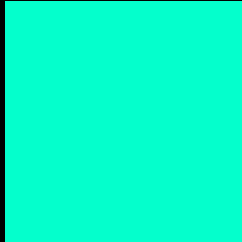
Large Text (above 18pt) WCAG AA × Fail

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, 62.807, 170.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

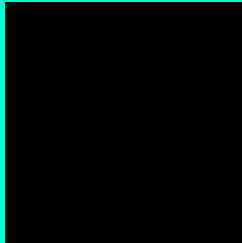
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 62.807, 170.047

Background



This preview shows how black text looks on a background with the CIELCh color 90, 62.807, 170.047.

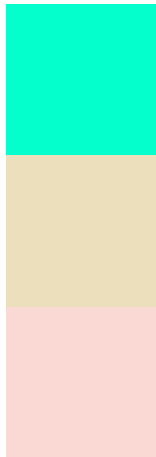


This preview shows how white text looks on a background with the CIELCh color 90, 62.807, 170.047.

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, 62.402, 170.415

Protanopia

89, 19.302, 93.644

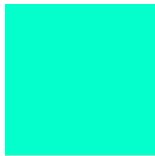
Deuteranopia

89, 12.833, 29.516

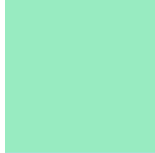


Tritanopia
89, 30.336, 212.676

Trichromacy



Original Color
90, 62.402, 170.415



Protanomaly
87, 36.360, 159.925



Deuteranomaly
86, 26.160, 172.684

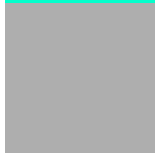


Tritanomaly
89, 42.883, 190.343

Monochromacy



Original Color
90, 62.402, 170.415



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 31.544, 179.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 62.807, 170.047 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 62.807, 170.047 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, 204) }
```

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

```
.border{ border-color:rgb(4, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(4, 255,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 62.807, 170.047 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, 204) }
```

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

```
.background{ background-color: rgb(4, 255,  
204) }
```

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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