

Converting Colors

CIELCh(90, 61.420, 171.822)

Have a look what the booklet for
CIELCh(90, 61.420, 171.822)
contains.

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Color

CIELCh(90, 61.164, 172.060)

Conversions

Conversions Part 1

Format	Color
Hex	05FFD0
RGB	5, 255, 208
RGB Percent	2%, 100%, 82%
CMY	0.9803, 0.0000, 0.1832
CMYK	0.98, 0.00, 0.18, 0.00
HSL	169°, 100%, 51%
HSV	169°, 98%, 100%
XYZ	47.3329, 76.3034, 72.0833
YIQ	174.8920, -133.9130, -67.6170

Conversions

Conversions Part 2

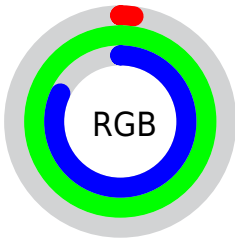
Format	Color
R _{YB}	5, 143, 255
Decimal	393168
CIE _{Lab}	90.00, -60.58, 8.45
CIE _{LCh}	90, 61.164, 172.060
Y _{xy}	76.3034, 0.2418, 0.3899
Android (android.graphics.Color)	4278583248 (0xFF05FFD0)
YUV	174.8920, 16.3222, -148.9953
Hunter-Lab	87.3518, -56.1428, 12.2198

Details

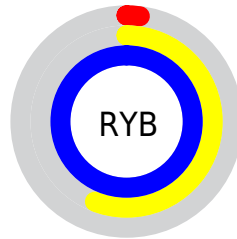
The CIELCh color **90, 61.164, 172.060** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 93.486, 30.568**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **71, 52.469, 168.942** is the 20% darker color. If you saturate the color by 10%, you get **90, 61.435, 171.805**, and if you desaturate by 10%, it is **90, 58.764, 173.941**.

Distribution



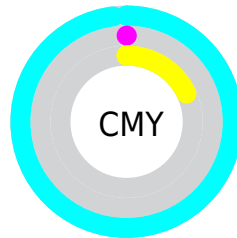
- Red (2%)
- Green (100%)
- Blue (82%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 61.164, 172.060 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, 61.164, 172.060 by changing the saturation by 10% instead.


 90, 61.164,
172.060


 90, 61.164,
172.060


 100, 61.164,
172.060


 80, 61.164,
172.060

 70, 61.164,
172.060

 60, 61.164,
172.060


 50, 61.164,
172.060

 40, 61.164,
172.060


 30, 61.164,
172.060


 20, 61.164,


172.060


 10, 61.164,
172.060


 0, 61.164, 172.060


 90, 61.164,
172.060


 90, 61.164,
172.060

 90, 61.435,
171.805

 90, 58.764,
173.941

 91, 55.581,
175.560

 91, 51.357,
177.018

 92, 46.074,
178.336

■ 93, 39.794,
179.536

■ 94, 32.630,
180.643

■ 95, 24.731,
181.678

■ 97, 16.253,
182.659

■ 98, 7.352, 183.625

Harmonies

Complementary

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



90, 61.164, 172.060



54, 93.486, 30.568

Rectangle

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



90, 61.164, 172.060



90, 61.164, 222.060



90, 61.164, 352.060



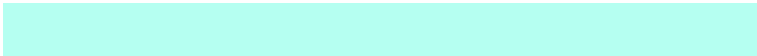
90, 61.164, 42.060

Sweetspot

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



90, 61.036, 172.160



95, 25.526, 181.580



88, 117.281, 134.756



50, 17.318, 181.144



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

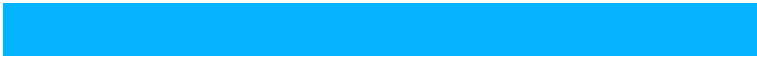
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 61.036, 172.160



90, 61.435, 171.805



69, 48.896, 256.223



52, 5.196, 183.479



69, 49.279, 172.143



23, 22.038, 174.560

Inverse Universe

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



54, 93.486, 30.568



53, 94.744, 31.559



59, 93.854, 47.022



50, 5.405, 5.078



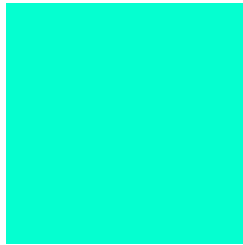
40, 75.595, 30.559



10, 32.061, 19.374

Previews

White Background



This preview shows how the CIE LCh color 90, 61.164, 172.060 looks on a white background.

Color Contrast Check

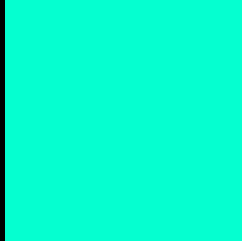
Large Text (above 18pt) WCAG AA × Fail

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, 61.164, 172.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

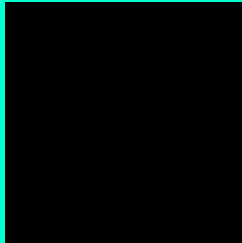
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 61.164, 172.060

Background



This preview shows how black text looks on a background with the CIELCh color 90, 61.164, 172.060.

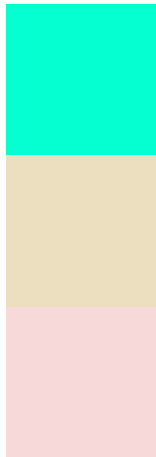


This preview shows how white text looks on a background with the CIELCh color 90, 61.164, 172.060.

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, 61.122, 172.045

Protanopia
89, 16.697, 92.964

Deuteranopia
89, 11.428, 20.184

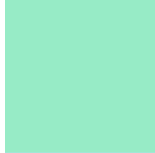


Tritanopia
89, 30.110, 212.804

Trichromacy



Original Color
90, 61.122, 172.045



Protanomaly
87, 34.886, 163.419



Deuteranomaly
87, 25.691, 177.313

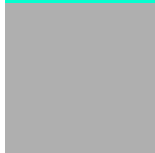


Tritanomaly
89, 42.393, 191.736

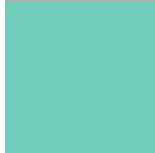
Monochromacy



Original Color
90, 61.122, 172.045



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, 61.164, 172.060 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(5, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(5, 255, 208)  
}
```

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(5, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 255, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 61.164, 172.060 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(5, 255, 208) }
```

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

```
.border{ border-color:rgb(5, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(5, 255,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 61.164, 172.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 255, 208) }
```

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

```
.background{ background-color: rgb(5, 255,  
208) }
```

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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