

Converting Colors

CIELCh(100, 82.160, 168.170)

Have a look what the booklet for
CIELCh(100, 82.160, 168.170)
contains.

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Color

CIELCh(90, 57.964, 176.918)

Conversions

Conversions Part 1

Format	Color
Hex	<u>00FFDB</u>
RGB	<u>0, 255, 219</u>
RGB Percent	<u>0%, 100%, 86%</u>
CMY	<u>1.0000, 0.0018, 0.1429</u>
<u>CMYK</u>	<u>1.00, 0.00, 0.14, 0.00</u>
HSL	<u>172°, 100%, 50%</u>
HSV	<u>172°, 100%, 100%</u>
XYZ	<u>48.3059, 76.3034, 78.9033</u>
YIQ	<u>174.6510, -140.4240, -65.2560</u>

Conversions

Conversions Part 2

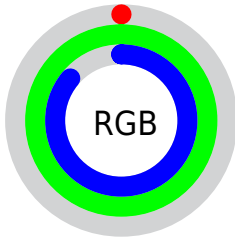
Format	Color
RYB	0, 137, 255
Decimal	65499
CIELab	90.00, -57.88, 3.12
CIELCh	90, 57.964, 176.918
Yxy	76.3034, 0.2374, 0.3749
Android (android.graphics.Color)	4278255579 (0xFF00FFDB)
YUV	174.6510, 21.8641, -153.1689
Hunter-Lab	87.3518, -54.1543, 7.5907

Details

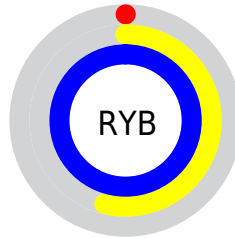
The CIELCh color 90, 57.964, 176.918 is a light color, and the websafe version is hex 33FFCC. The color can be described as light saturated cyan. A complement of this color would be 53, 97.548, 34.512, and the grayscale version is 71, 0.009, 296.813.

A 20% lighter version of the original color is 93, 38.875, 197.039, and 71, 49.182, 174.186 is the 20% darker color. If you saturate the color by 10%, you get 90, 57.898, 176.899, and if you desaturate by 10%, it is 90, 56.204, 178.420.

Distribution



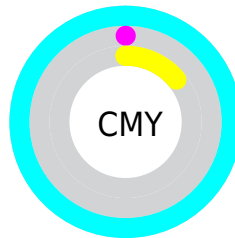
- Red (0%)
- Green (100%)
- Blue (86%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 57.964, 176.918 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, 57.964, 176.918 by changing the saturation by 10% instead.


-  [90, 57.964, 176.918](#)


-  [100, 57.964, 176.918](#)


[Color Bucket](#) [CSS Gradient](#) [CSS Text Shadow](#) [Color Palette Image](#)


-  [90, 57.964, 176.918](#)


-  [80, 57.964, 176.918](#)


-  [70, 57.964, 176.918](#)


-  [60, 57.964, 176.918](#)


-  [50, 57.964, 176.918](#)

-  [40, 57.964, 176.918](#)


-  [30, 57.964, 176.918](#)


-  [20, 57.964, 176.918](#)

-  [10, 57.964, 176.918](#)


-  [0, 57.964, 176.918](#)


[Color Bucket](#) [CSS Gradient](#) [CSS Text Shadow](#) [Color Palette Image](#)


-  [90, 57.964, 176.918](#)


-  [90, 57.898, 176.899](#)


[Color Bucket](#) [CSS Gradient](#) [CSS Text Shadow](#) [Color Palette Image](#)


-  [90, 57.964, 176.918](#)


-  [90, 56.204, 178.420](#)


-  [91, 53.672, 179.818](#)


-  [91, 50.098, 181.085](#)


-  [92, 45.443, 182.239](#)

-  [93, 39.747, 183.304](#)

-  [94, 33.107, 184.300](#)

-  [95, 25.659, 185.244](#)

-  [96, 17.557, 186.153](#)



-  [98, 8.954, 187.053](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Harmonies

Complementary





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

- 
[90, 57.964, 176.918](#)
- 
[53, 97.548, 34.512](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Rectangle


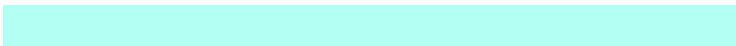




The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

- 
[90, 57.964, 176.918](#)
- 
[90, 57.964, 226.918](#)
- 
[90, 57.964, 356.918](#)
- 
[90, 57.964, 46.918](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Sweetspot





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

- 
[90, 57.898, 176.899](#)
- 
[95, 25.695, 185.244](#)
- 
[88, 118.480, 135.315](#)
- 
[50, 17.305, 184.851](#)
- 
[0, 0.000, 0.000](#)
- 
[53, 0.007, 296.813](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Same Dimension







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

- 
[90, 57.898, 176.899](#)
- 
[90, 57.976, 176.897](#)
- 
[65, 54.055, 265.952](#)
- 
[52, 5.102, 187.098](#)
- 
[70, 46.557, 177.183](#)
- 
[23, 20.986, 179.205](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Inverse Universe

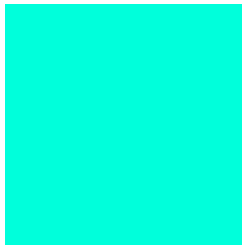
The Inverse Universe completely reimagines the original color for something new.

- 
[53, 97.548, 34.512](#)
- 
[53, 97.683, 34.517](#)
- 
[60, 92.531, 49.337](#)
- 
[50, 5.335, 8.608](#)
- 
[40, 77.921, 33.623](#)
- 
[10, 32.332, 21.384](#)

[□ Color Bucket](#) [□ CSS Gradient](#) [□ CSS Text Shadow](#) [□ Color Palette Image](#)

Previews

White Background



This preview shows how the CIELCh color 90, 57.964, 176.918 looks on a white background.

Color Contrast Check

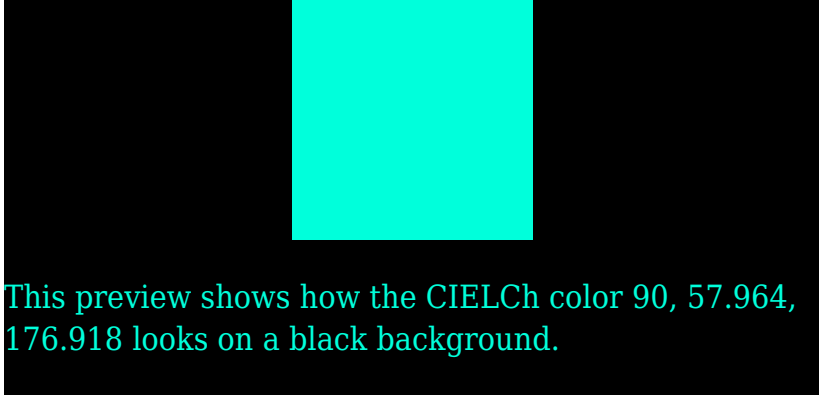
Large Text (above 18pt) WCAG AA Fail

Any Text WCAG AA Fail

Large Text (above 18pt) WCAG AAA Fail

Any Text WCAG AAA Fail

Black Background



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, 57.964, 176.918

Background



This preview shows how black text looks on a background with the CIELCh color 90, 57.964, 176.918.

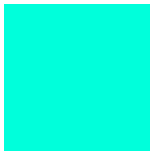


This preview shows how white text looks on a background with the CIELCh color 90, 57.964, 176.918.

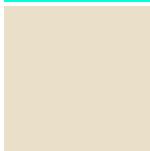
Color Blindness Simulation

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](#).

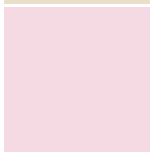
Dichromacy



Original Color
[90, 57.964, 176.918](#)



Protanopia
[89, 11.986, 91.034](#)



Deuteranopia
[89, 11.403, 353.166](#)



Tritanopia
[90, 29.842, 211.894](#)

Trichromacy



Original Color

[90, 57.964, 176.918](#)



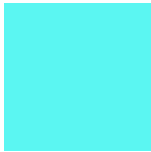
Protanomaly

[87, 32.286, 171.247](#)



Deuteranomaly

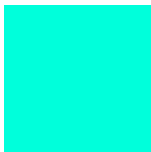
[87, 24.911, 189.215](#)



Tritanomaly

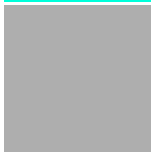
[89, 42.289, 193.896](#)

Monochromacy




Original Color

[90, 57.964, 176.918](#)



Achromatopsia

[71, 0.009, 296.813](#)



Achromatomaly

[76, 30.655, 183.841](#)

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 57.964, 176.918 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(0, 255, 219)` looks like.

```
.text, #text, p{
    color:rgb(0, 255, 219)
}
```

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(0, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 57.964, 176.918 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(0, 255, 219) }
```

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

```
.border{ border-color:rgb(0, 255, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 57.964, 176.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 219) }
```

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

```
.background{ background-color: rgb(0, 255,  
219) }
```

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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