

Converting Colors

CIELCh(92, 93.461, 175.108)

Have a look what the booklet for
CIELCh(92, 93.461, 175.108)
contains.

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Color

CIELCh(90, 59.409, 174.657)

Conversions

Conversions Part 1

Format	Color
Hex	00FFD6
RGB	0, 255, 214
RGB Percent	0%, 100%, 84%
CMY	1.0000, 0.0004, 0.1611
CMYK	1.00, 0.00, 0.16, 0.00
HSL	170°, 100%, 50%
HSV	170°, 100%, 100%
XYZ	47.8459, 76.3034, 75.7629
YIQ	174.0810, -138.8190, -66.8110

Conversions

Conversions Part 2

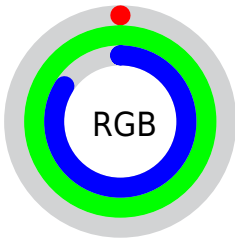
Format	Color
RYB	0, 139, 255
Decimal	65494
CIELab	90.00, -59.15, 5.53
CIELCh	90, 59.409, 174.657
Yxy	76.3034, 0.2393, 0.3817
Android (android.graphics.Color)	4278255574 (0xFF00FFD6)
YUV	174.0810, 19.6801, -152.6690
Hunter-Lab	87.3518, -55.0944, 9.7222

Details

The CIELCh color **90, 59.409, 174.657** 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, 96.404, 33.316**, 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, 50.789, 171.484** is the 20% darker color. If you saturate the color by 10%, you get **90, 59.395, 174.652**, and if you desaturate by 10%, it is **90, 57.507, 176.301**.

Distribution



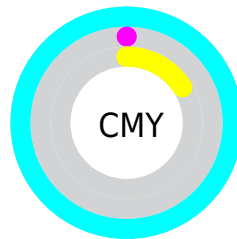
- Red (0%)
- Green (100%)
- Blue (84%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 59.409, 174.657 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, 59.409, 174.657 by changing the saturation by 10% instead.


 90, 59.409,
174.657


 90, 59.409,
174.657


 100, 59.409,
174.657


 80, 59.409,
174.657


 70, 59.409,
174.657

 60, 59.409,
174.657

 50, 59.409,
174.657

 40, 59.409,
174.657

 30, 59.409,
174.657

 20, 59.409,

174.657

■ 10, 59.409,
174.657

■ 0, 59.409, 174.657

■ 90, 59.409,
174.657

■ 90, 59.409,
174.657

■ 90, 59.395,
174.652

■ 90, 57.507,
176.301

■ 91, 54.784,
177.817

■ 91, 51.024,
179.186

■ 92, 46.191,
180.428

■ 93, 40.327,
181.565

■ 94, 33.534,
182.620

■ 95, 25.950,
183.612

■ 96, 17.731,
184.559

■ 98, 9.031, 185.488

Harmonies

Complementary

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



90, 59.409, 174.657



53, 96.404, 33.316

Rectangle

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



90, 59.409, 174.657



90, 59.409, 224.657



90, 59.409, 354.657



90, 59.409, 44.657

Sweetspot

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



90, 59.395, 174.652



95, 25.958, 183.612



88, 118.376, 135.171



50, 17.493, 183.201



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

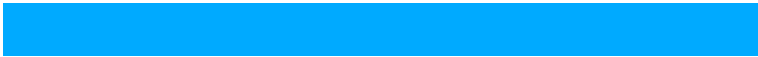
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 59.395, 174.652



90, 59.412, 174.652



66, 52.423, 263.185



52, 5.140, 185.535



69, 47.687, 174.962



23, 21.422, 177.166

Inverse Universe

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



53, 96.404, 33.316



53, 96.432, 33.317



60, 93.499, 48.430



50, 5.362, 7.088



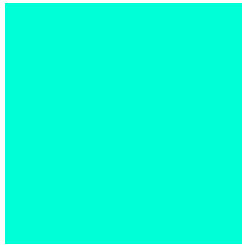
40, 76.922, 32.371



10, 32.216, 20.559

Previews

White Background



This preview shows how the CIE LCh color 90, 59.409, 174.657 looks on a white background.

Color Contrast Check

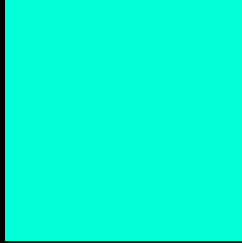
Large Text (above 18pt) WCAG AA × Fail

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, 59.409, 174.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

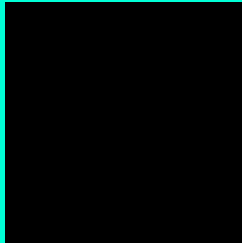
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 59.409, 174.657

Background



This preview shows how black text looks on a background with the CIELCh color 90, 59.409, 174.657.

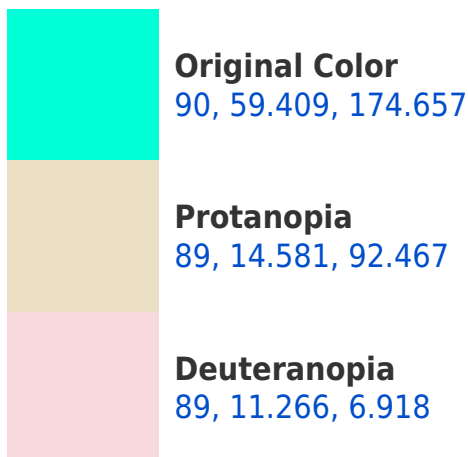


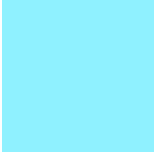
This preview shows how white text looks on a background with the CIELCh color 90, 59.409, 174.657.

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



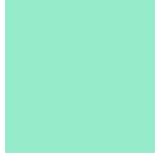


Tritanopia
90, 29.842, 211.894

Trichromacy



Original Color
90, 59.409, 174.657



Protanomaly
87, 33.522, 167.190



Deuteranomaly
87, 25.467, 183.321

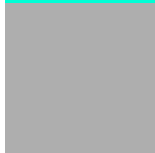


Tritanomaly
89, 42.586, 192.472

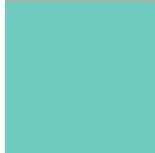
Monochromacy



Original Color
90, 59.409, 174.657



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 30.867, 182.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 59.409, 174.657 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 59.409, 174.657 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, 214) }
```

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

```
.border{ border-color:rgb(0, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 59.409, 174.657 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, 214) }
```

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

```
.background{ background-color: rgb(0, 255,  
214) }
```

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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