

Converting Colors

CIELCh(90, 58.273, 176.415)

Have a look what the booklet for
CIELCh(90, 58.273, 176.415)
contains.

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Color

CIElCh(90, 58.247, 176.457)

Conversions

Conversions Part 1

Format	Color
Hex	00FFDA
RGB	0, 255, 218
RGB Percent	0%, 100%, 85%
CMY	1.0000, 0.0015, 0.1465
CMYK	1.00, 0.00, 0.15, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.2132, 76.3034, 78.2684
YIQ	174.5370, -140.1030, -65.5670

Conversions

Conversions Part 2

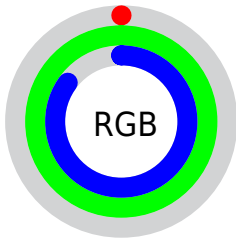
Format	Color
RYB	0, 137, 255
Decimal	65498
CIELab	90.00, -58.14, 3.60
CIELCh	90, 58.247, 176.457
Yxy	76.3034, 0.2378, 0.3763
Android (android.graphics.Color)	4278255578 (0xFF00FFDA)
YUV	174.5370, 21.4273, -153.0689
Hunter-Lab	87.3518, -54.3438, 8.0216

Details

The CIELCh color **90, 58.247, 176.457** 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, 97.321, 34.281**, 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, 49.497, 173.633** is the 20% darker color. If you saturate the color by 10%, you get **90, 58.192, 176.441**, and if you desaturate by 10%, it is **90, 56.460, 177.988**.

Distribution



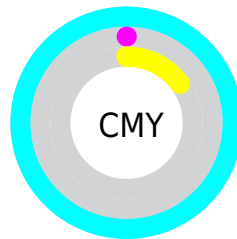
- Red (0%)
- Green (100%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 58.247, 176.457 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, 58.247, 176.457 by changing the saturation by 10% instead.


 90, 58.247,
176.457


 90, 58.247,
176.457


 100, 58.247,
176.457


 80, 58.247,
176.457

 70, 58.247,
176.457

 60, 58.247,
176.457

 50, 58.247,
176.457

 40, 58.247,
176.457

 30, 58.247,
176.457

 20, 58.247,

176.457

■ 10, 58.247,
176.457

■ 0, 58.247, 176.457

■ 90, 58.247,
176.457

■ 90, 58.247,
176.457

■ 90, 58.192,
176.441

■ 90, 56.460,
177.988

■ 91, 53.890,
179.411

■ 91, 50.280,
180.700

■ 92, 45.590,
181.873

■ 93, 39.860,
182.953

■ 94, 33.190,
183.961

■ 95, 25.716,
184.915

■ 96, 17.590,
185.832

■ 98, 8.969, 186.738

Harmonies

Complementary

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



90, 58.247, 176.457



53, 97.321, 34.281

Rectangle

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



90, 58.247, 176.457



90, 58.247, 226.457



90, 58.247, 356.457



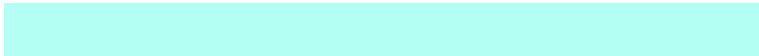
90, 58.247, 46.457

Sweetspot

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



90, 58.192, 176.441



95, 25.746, 184.915



88, 118.505, 135.315



50, 17.341, 184.518



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, 58.192, 176.441



90, 58.258, 176.439



65, 54.067, 265.953



52, 5.110, 186.784



69, 46.779, 176.730



23, 21.071, 178.790

Inverse Universe

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



53, 97.321, 34.281



53, 97.435, 34.285



60, 92.551, 49.337



50, 5.340, 8.303



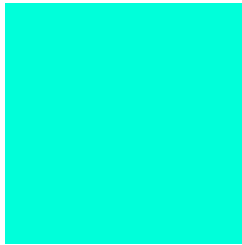
40, 77.721, 33.379



10, 32.309, 21.219

Previews

White Background



This preview shows how the CIE LCh color 90, 58.247, 176.457 looks on a white background.

Color Contrast Check

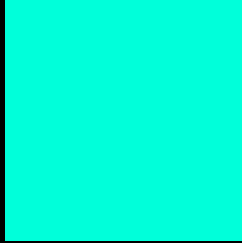
Large Text (above 18pt) WCAG AA × Fail

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, 58.247, 176.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

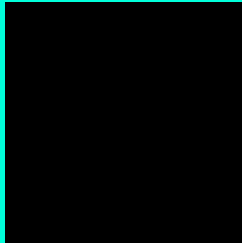
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 58.247, 176.457

Background



This preview shows how black text looks on a background with the CIELCh color 90, 58.247, 176.457.




This preview shows how white text looks on a background with the CIELCh color 90, 58.247, 176.457.

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](#).

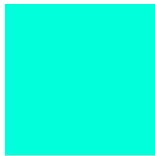
Dichromacy





Tritanopia
90, 29.842, 211.894

Trichromacy



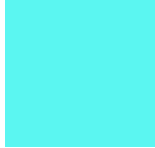
Original Color
90, 58.247, 176.457



Protanomaly
87, 32.573, 170.454



Deuteranomaly
87, 25.059, 188.035

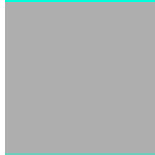


Tritanomaly
89, 42.435, 193.182

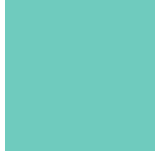
Monochromacy



Original Color
90, 58.247, 176.457



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, 58.247, 176.457 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 58.247, 176.457 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, 218) }
```

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

```
.border{ border-color:rgb(0, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 58.247, 176.457 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, 218) }
```

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

```
.background{ background-color: rgb(0, 255,  
218) }
```

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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