

Converting Colors

CIELCh(91, 49.709, 197.263)

Have a look what the booklet for
CIELCh(91, 49.709, 197.263)
contains.

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Color

CIELCh(91, 49.687, 197.013)

Conversions

Conversions Part 1

Format	Color
Hex	0AFEFF
RGB	10, 254, 255
RGB Percent	4%, 100%, 100%
CMY	0.9588, 0.0022, 0.0000
CMYK	0.96, 0.00, 0.00, 0.00
HSL	180°, 100%, 52%
HSV	180°, 96%, 100%
XYZ	53.8353, 78.4833, 107.2912
YIQ	181.1580, -145.7450, -51.4170

Conversions

Conversions Part 2

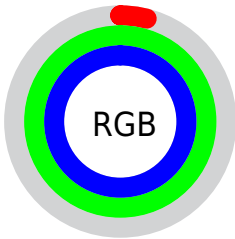
Format	Color
R _Y B	10, 132, 255
Decimal	720639
CIE Lab	91.00, -47.51, -14.54
CIE LCh	91, 49.687, 197.013
Yxy	78.4833, 0.2247, 0.3275
Android (android.graphics.Color)	4278910719 (0xFF0AFEFF)
YUV	181.1580, 36.4041, -150.1056
Hunter-Lab	88.5908, -46.5622, -9.7918

Details

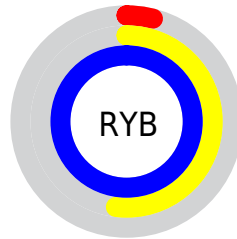
The CIELCh color **91, 49.687, 197.013** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 102.499, 39.205**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **72, 40.828, 197.969** is the 20% darker color. If you saturate the color by 10%, you get **91, 49.950, 196.739**, and if you desaturate by 10%, it is **91, 48.817, 196.762**.

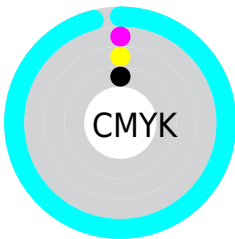
Distribution



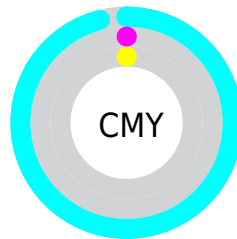
- Red (4%)
- Green (100%)
- Blue (100%)



- Red (4%)
- Yellow (52%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 49.687, 197.013 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 91, 49.687, 197.013 by changing the saturation by 10% instead.


 91, 49.687,
197.013


 91, 49.687,
197.013


 100, 49.687,
197.013


 81, 49.687,
197.013

 71, 49.687,
197.013

 61, 49.687,
197.013

 51, 49.687,
197.013

 41, 49.687,
197.013

 31, 49.687,
197.013

 21, 49.687,

197.013

■ 11, 49.687,
197.013

■ 1, 49.687, 197.013

■ 91, 49.687,
197.013

■ 91, 49.687,
197.013

■ 91, 49.950,
196.739

■ 91, 48.817,
196.762

■ 91, 46.914,
196.847

■ 92, 43.923,
197.000

■ 93, 39.811,
197.224

■ 93, 34.612,
197.519

■ 95, 28.416,
197.881

■ 96, 21.345,
198.309

■ 97, 13.542,
198.800

■ 99, 5.153, 199.399

Harmonies

Complementary

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



91, 49.687, 197.013



54, 102.499, 39.205

Rectangle

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



91, 49.687, 197.013



91, 49.687, 247.013



91, 49.687, 17.013



91, 49.687, 67.013

Sweetspot

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



91, 49.747, 196.738



95, 23.633, 198.169



88, 118.941, 136.125



50, 15.937, 197.987



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 49.747, 196.738



91, 49.950, 196.739



56, 70.576, 283.176



52, 4.934, 199.158



70, 40.234, 196.733



24, 18.517, 196.691

Inverse Universe

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



60, 114.686, 328.300



60, 115.360, 328.323



68, 83.641, 60.990



50, 9.043, 325.007



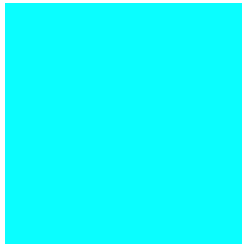
45, 92.919, 328.322



12, 42.756, 328.311

Previews

White Background



This preview shows how the CIE LCh color 91, 49.687, 197.013 looks on a white background.

Color Contrast Check

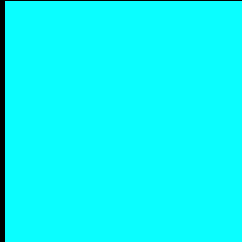
Large Text (above 18pt) WCAG AA × Fail

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 91, 49.687, 197.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

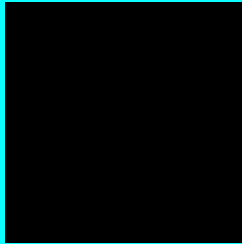
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

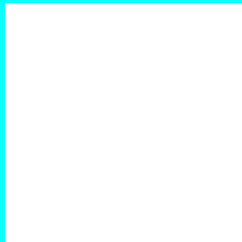
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 49.687, 197.013

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.687, 197.013.



This preview shows how white text looks on a background with the CIELCh color 91, 49.687, 197.013.

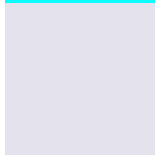
Color Blindness Simulation

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
91, 49.627, 197.018



Protanopia
90, 5.774, 297.623



Deuteranopia
90, 16.914, 300.750



Tritanopia
91, 27.420, 212.162

Trichromacy



Original Color
91, 49.627, 197.018



Protanomaly
88, 27.060, 206.668



Deuteranomaly
88, 26.964, 222.132

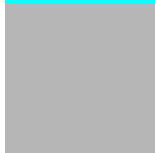


Tritanomaly
90, 39.461, 203.121

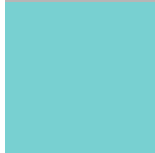
Monochromacy



Original Color
91, 49.627, 197.018



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 27.601, 198.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.687, 197.013 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(10, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 254, 255)  
}
```

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(10, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 254, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.687, 197.013 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(10, 254, 255) }
```

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

```
.border{ border-color:rgb(10, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 254,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.687, 197.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 254, 255) }
```

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

```
.background{ background-color: rgb(10, 254,  
255) }
```

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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