

Converting Colors

CIELCh(91, 49.980, 196.531)

Have a look what the booklet for
CIELCh(91, 49.980, 196.531)
contains.

CIELCh(91, 50.075, 196.389)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 50.075, 196.389)

Conversions

Conversions Part 1

Format	Color
Hex	00FFFF
RGB	0, 255, 255
RGB Percent	0%, 100%, 100%
CMY	1.0000, 0.0014, 0.0014
CMYK	1.00, 0.00, 0.00, 0.00
HSL	180°, 100%, 50%
HSV	180°, 100%, 100%
XYZ	53.6295, 78.4833, 106.6314
YIQ	178.7550, -151.9800, -54.0600

Conversions

Conversions Part 2

Format	Color
RYB	0, 128, 255
Decimal	65535
CIELab	91.00, -48.04, -14.13
CIELCh	91, 50.075, 196.389
Yxy	78.4833, 0.2246, 0.3287
Android (android.graphics.Color)	4278255615 (0xFF00FFFF)
YUV	178.7550, 37.5888, -156.7681
Hunter-Lab	88.5908, -46.9768, -9.3502

Details

The CIELCh color **91, 50.075, 196.389** is a light color, and the websafe version is hex **00FFFF**, and the color name is **aqua**. The color can be described as light saturated cyan. A complement of this color would be **53, 104.466, 40.000**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **72, 41.122, 197.171** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.062, 196.389**, and if you desaturate by 10%, it is **91, 49.404, 196.426**.

Distribution



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



- Red (0%)
- Yellow (50%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 50.075, 196.389 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, 50.075, 196.389 by changing the saturation by 10% instead.


 91, 50.075,
196.389


 91, 50.075,
196.389

 100, 50.075,
196.389


 81, 50.075,
196.389

 71, 50.075,
196.389

 61, 50.075,
196.389

 51, 50.075,
196.389

 41, 50.075,
196.389

 31, 50.075,
196.389

 21, 50.075,

196.389

■ 11, 50.075,
196.389

■ 1, 50.075, 196.389

■ 91, 50.075,
196.389

■ 91, 50.075,
196.389

■ 91, 50.062,
196.389

■ 91, 49.404,
196.426

■ 91, 47.907,
196.512

■ 92, 45.360,
196.659

■ 92, 41.698,
196.872

■ 93, 36.928,
197.153

■ 94, 31.120,
197.502

■ 95, 24.383,
197.914

■ 97, 16.853,
198.387

■ 98, 8.677, 198.934

Harmonies

Complementary

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



91, 50.075, 196.389



53, 104.466, 40.000

Rectangle

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



91, 50.075, 196.389



91, 50.075, 246.389



91, 50.075, 16.389



91, 50.075, 66.389

Sweetspot

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



91, 50.062, 196.389



95, 24.410, 197.914



88, 119.653, 136.016



50, 16.365, 197.732



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, 50.062, 196.389



91, 50.114, 196.389



55, 73.581, 285.026



52, 4.945, 198.964



70, 40.364, 196.389



24, 18.569, 196.388

Inverse Universe

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



60, 115.445, 328.233



60, 115.566, 328.233



67, 85.507, 59.787



50, 9.057, 324.947



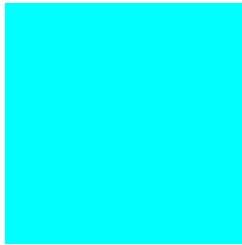
45, 93.082, 328.233



12, 42.822, 328.233

Previews

White Background



This preview shows how the CIE LCh color 91, 50.075, 196.389 looks on a white background.

Color Contrast Check

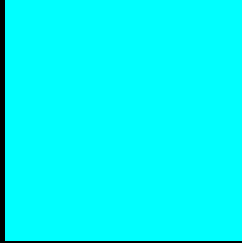
Large Text (above 18pt) WCAG AA × Fail

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, 50.075, 196.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

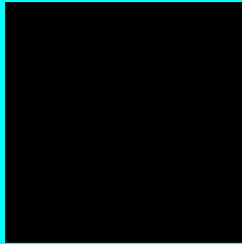
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 50.075, 196.389

Background



This preview shows how black text looks on a background with the CIELCh color 91, 50.075, 196.389.



This preview shows how white text looks on a background with the CIELCh color 91, 50.075, 196.389.

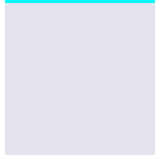
Color Blindness Simulation

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, 50.115, 196.386



Protanopia
90, 5.774, 297.623

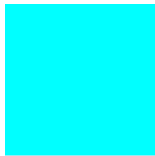


Deuteranopia
90, 16.914, 300.750



Tritanopia
91, 27.173, 212.309

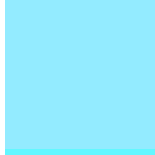
Trichromacy



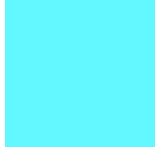
Original Color
91, 50.115, 196.386



Protanomaly
88, 28.074, 205.186



Deuteranomaly
88, 27.985, 219.941



Tritanomaly
90, 39.957, 203.017

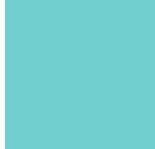
Monochromacy



Original Color
91, 50.115, 196.386



Achromatopsia
73, 0.009, 296.813



Achromatomaly
78, 28.908, 197.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 50.075, 196.389 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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(0, 255, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 91, 50.075, 196.389 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 91, 50.075, 196.389 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, 255) }
```

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

```
.background{ background-color: rgb(0, 255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor