

Converting Colors

CIELCh(91, 49.726, 196.400)

Have a look what the booklet for
CIELCh(91, 49.726, 196.400)
contains.

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Color

CIELCh(91, 49.650, 196.404)

Conversions

Conversions Part 1

Format	Color
Hex	12FEFE
RGB	18, 254, 254
RGB Percent	7%, 100%, 100%
CMY	0.9310, 0.0021, 0.0021
CMYK	0.93, 0.00, 0.00, 0.00
HSL	180°, 100%, 53%
HSV	180°, 93%, 100%
XYZ	53.7899, 78.4833, 106.4584
YIQ	183.4360, -140.6560, -50.0320

Conversions

Conversions Part 2

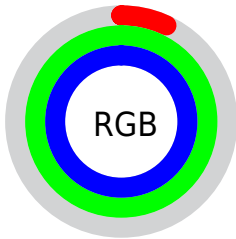
Format	Color
R _Y B	18, 136, 254
Decimal	1244926
CIE Lab	91.00, -47.63, -14.02
CIE LCh	91, 49.650, 196.404
Yxy	78.4833, 0.2253, 0.3288
Android (android.graphics.Color)	4279435006 (0xFF12FEFE)
YUV	183.4360, 34.7881, -145.0874
Hunter-Lab	88.5908, -46.6537, -9.2345

Details

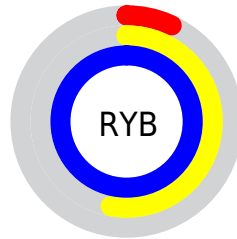
The CIELCh color **91, 49.650, 196.404** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **54, 100.775, 38.566**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **72, 40.966, 197.175** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.036, 196.380**, and if you desaturate by 10%, it is **91, 48.450, 196.472**.

Distribution



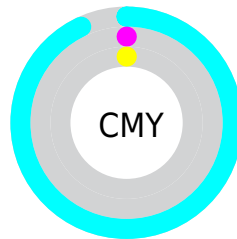
- Red (7%)
- Green (100%)
- Blue (100%)



- Red (7%)
- Yellow (53%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (93%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 49.650, 196.404 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, 49.650, 196.404 by changing the saturation by 10% instead.

 91, 49.650,
196.404


 91, 49.650,
196.404


 100, 49.650,
196.404

 81, 49.650,
196.404

 71, 49.650,
196.404

 61, 49.650,
196.404

 51, 49.650,
196.404

 41, 49.650,
196.404

 31, 49.650,
196.404

 21, 49.650,

196.404

■ 11, 49.650,
196.404

■ 1, 49.650, 196.404

■ 91, 49.650,
196.404

■ 91, 49.650,
196.404

■ 91, 50.036,
196.380

■ 91, 48.450,
196.472

■ 92, 46.239,
196.600

■ 92, 42.924,
196.793

■ 93, 38.494,
197.054

■ 94, 32.998,
197.382

■ 95, 26.537,
197.775

■ 96, 19.241,
198.230

■ 98, 11.253,
198.750

■ 99, 2.720, 199.472

Harmonies

Complementary

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



91, 49.650, 196.404



54, 100.775, 38.566

Rectangle

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



91, 49.650, 196.404



91, 49.650, 246.404



91, 49.650, 16.404



91, 49.650, 66.404

Sweetspot

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



91, 49.649, 196.403



96, 22.962, 197.999



88, 117.937, 136.146



50, 15.581, 197.808



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, 49.649, 196.403



91, 50.117, 196.380



58, 66.210, 280.137



52, 4.945, 198.960



70, 40.366, 196.381



24, 18.570, 196.381

Inverse Universe

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



54, 100.775, 38.566



53, 104.574, 39.999



68, 82.559, 60.421



49, 5.254, 19.940



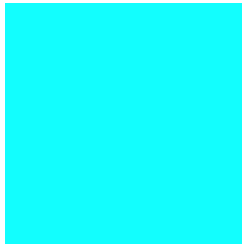
40, 84.228, 39.999



10, 33.367, 27.175

Previews

White Background



This preview shows how the CIE LCh color 91, 49.650, 196.404 looks on a white background.

Color Contrast Check

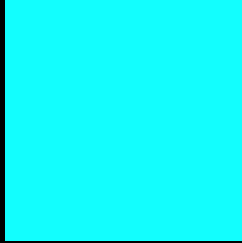
Large Text (above 18pt) WCAG AA × Fail

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, 49.650, 196.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

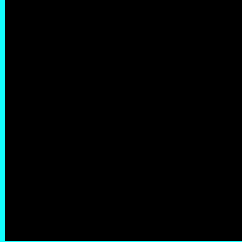
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

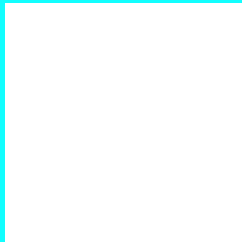
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 49.650, 196.404

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.650, 196.404.

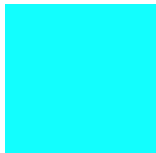


This preview shows how white text looks on a background with the CIELCh color 91, 49.650, 196.404.

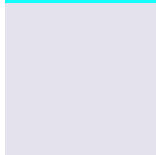
Color Blindness Simulation

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, 49.566, 196.409



Protanopia
90, 5.774, 297.623



Deuteranopia
90, 16.914, 300.750



Tritanopia
91, 27.420, 212.162

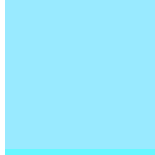
Trichromacy



Original Color
91, 49.566, 196.409



Protanomaly
88, 26.553, 205.712



Deuteranomaly
88, 26.502, 222.606

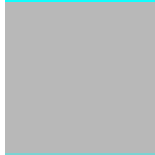


Tritanomaly
90, 39.123, 203.194

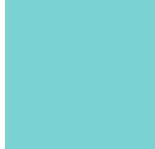
Monochromacy



Original Color
91, 49.566, 196.409



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 27.436, 197.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.650, 196.404 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(18, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(18, 254, 254)  
}
```

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(18, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.650, 196.404 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(18, 254, 254) }
```

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

```
.border{ border-color:rgb(18, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(18, 254,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.650, 196.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 254, 254) }
```

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

```
.background{ background-color: rgb(18, 254,  
254) }
```

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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