

Converting Colors

CIELCh(91, 49.815, 182.439)

Have a look what the booklet for
CIELCh(91, 49.815, 182.439)
contains.

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Color

CIELCh(91, 49.944, 182.403)

Conversions

Conversions Part 1

Format	Color
Hex	49FFE8
RGB	73, 255, 232
RGB Percent	29%, 100%, 91%
CMY	0.7122, 0.0017, 0.0918
CMYK	0.71, 0.00, 0.09, 0.00
HSL	172°, 100%, 64%
HSV	172°, 71%, 100%
XYZ	52.9086, 78.4833, 88.3981
YIQ	197.9600, -101.0890, -45.7370

Conversions

Conversions Part 2

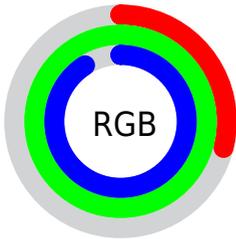
Format	Color
RYB	73, 170, 255
Decimal	4849640
CIELab	91.00, -49.90, -2.09
CIElCh	91, 49.944, 182.403
Yxy	78.4833, 0.2407, 0.3571
Android (android.graphics.Color)	4283039720 (0xFF49FFE8)
YUV	197.9600, 16.7817, -109.5899
Hunter-Lab	88.5908, -48.4294, 2.8525

Details

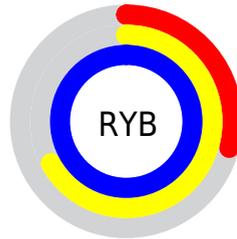
The CIELCh color **91, 49.944, 182.403** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 74.483, 22.273**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **72, 45.692, 181.375** is the 20% darker color. If you saturate the color by 10%, you get **91, 53.261, 181.206**, and if you desaturate by 10%, it is **92, 45.540, 183.496**.

Distribution



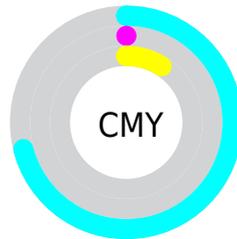
- Red (29%)
- Green (100%)
- Blue (91%)



- Red (29%)
- Yellow (67%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 49.944, 182.403 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, 49.944, 182.403 by changing the saturation by 10% instead.

 91, 49.944,
182.403

 91, 49.944,
182.403

 100, 49.944,
182.403

 81, 49.944,
182.403

 71, 49.944,
182.403

 61, 49.944,
182.403

 51, 49.944,
182.403

 41, 49.944,
182.403

 31, 49.944,
182.403

 21, 49.944,

182.403

■ 11, 49.944,
182.403

■ 1, 49.944, 182.403

■ 91, 49.944,
182.403

■ 91, 49.944,
182.403

■ 91, 53.261,
181.206

■ 92, 45.540,
183.496

■ 90, 55.544,
179.889

■ 92, 40.077,
184.510

■ 90, 56.882,
178.636

■ 93, 33.646,
185.464

■ 95, 26.377,
186.373

■ 96, 18.420,
187.252

■ 98, 9.930, 188.124

■ 100, 1.054,
189.485

■ 100, 0.272,
323.311

Harmonies

Complementary

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



91, 49.944, 182.403



59, 74.483, 22.273

Rectangle

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



91, 49.944, 182.403



91, 49.944, 232.403



91, 49.944, 2.403



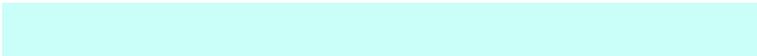
91, 49.944, 52.403

Sweetspot

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



91, 49.944, 182.402



96, 18.305, 187.267



89, 101.068, 135.882



51, 12.303, 187.026



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, 49.944, 182.402



91, 54.322, 180.715



73, 43.575, 254.914



52, 5.077, 188.273



70, 45.753, 178.900



23, 20.675, 180.771

Inverse Universe

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



59, 74.483, 22.273



55, 87.419, 28.245



70, 65.853, 54.238



50, 5.317, 9.747



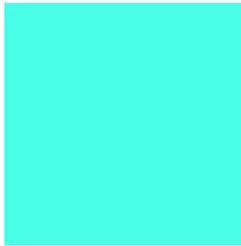
40, 78.656, 34.491



10, 32.423, 21.993

Previews

White Background



This preview shows how the CIELCh color 91, 49.944, 182.403 looks on a white background.

Color Contrast Check

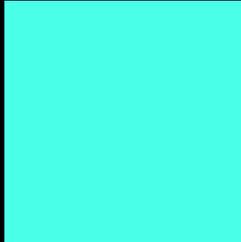
Large Text (above 18pt) WCAG AA × Fail

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, 49.944, 182.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

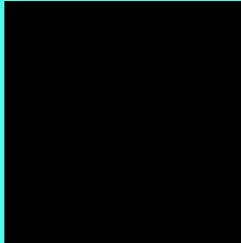
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

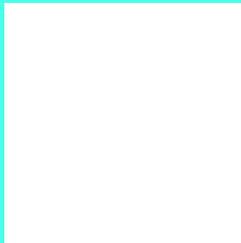
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 49.944, 182.403

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.944, 182.403.

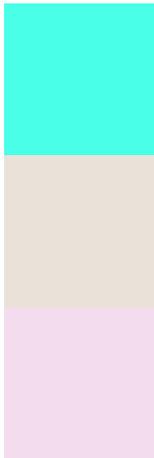


This preview shows how white text looks on a background with the CIELCh color 91, 49.944, 182.403.

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, 50.066, 182.429

Protanopia
90, 5.924, 80.155

Deuteranopia
90, 13.084, 331.414



Tritanopia
91, 25.992, 214.270

Trichromacy



Original Color
91, 50.066, 182.429



Protanomaly
89, 21.780, 178.337



Deuteranomaly
89, 16.981, 203.634



Tritanomaly
90, 34.857, 197.220

Monochromacy



Original Color
91, 50.066, 182.429



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 22.766, 185.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.944, 182.403 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(73, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 232)  
}
```

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(73, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.944, 182.403 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(73, 255, 232) }
```

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

```
.border{ border-color:rgb(73, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.944, 182.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 232) }
```

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

```
.background{ background-color: rgb(73, 255,  
232) }
```

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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