

Converting Colors

CIELCh(91, 48.583, 183.137)

Have a look what the booklet for
CIELCh(91, 48.583, 183.137)
contains.

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Color

CIELCh(91, 48.541, 183.329)

Conversions

Conversions Part 1

Format	Color
Hex	50FEE9
RGB	80, 254, 233
RGB Percent	31%, 100%, 91%
CMY	0.6862, 0.0038, 0.0862
CMYK	0.68, 0.00, 0.08, 0.00
HSL	173°, 99%, 66%
HSV	173°, 68%, 100%
XYZ	53.4666, 78.4833, 89.4322
YIQ	199.5800, -96.9630, -43.4190

Conversions

Conversions Part 2

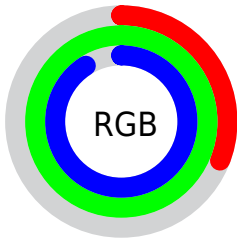
Format	Color
RYB	80, 173, 254
Decimal	5308137
CIELab	91.00, -48.46, -2.82
CIElCh	91, 48.541, 183.329
Yxy	78.4833, 0.2415, 0.3545
Android (android.graphics.Color)	4283498217 (0xFF50FEE9)
YUV	199.5800, 16.4761, -104.8717
Hunter-Lab	88.5908, -47.3050, 2.1605

Details

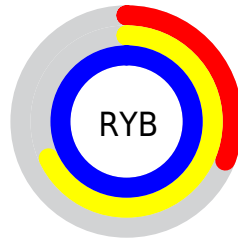
The CIELCh color **91, 48.541, 183.329** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **60, 71.805, 21.744**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **71, 45.021, 182.614** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.089, 182.198**, and if you desaturate by 10%, it is **92, 43.906, 184.367**.

Distribution



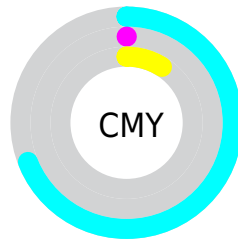
- Red (31%)
- Green (100%)
- Blue (91%)



- Red (31%)
- Yellow (68%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 48.541, 183.329 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, 48.541, 183.329 by changing the saturation by 10% instead.


 91, 48.541,
183.329


 91, 48.541,
183.329


 100, 48.541,
183.329


 81, 48.541,
183.329


 71, 48.541,
183.329

 61, 48.541,
183.329

 51, 48.541,
183.329

 41, 48.541,
183.329

 31, 48.541,
183.329

 21, 48.541,

183.329

■ 11, 48.541,
183.329

■ 1, 48.541, 183.329

■ 91, 48.541,
183.329

■ 91, 48.541,
183.329

■ 91, 52.089,
182.198

■ 92, 43.906,
184.367

■ 90, 54.579,
180.958

■ 93, 38.231,
185.338

■ 90, 56.161,
179.602

■ 94, 31.615,
186.256

■ 90, 56.365,
179.395

■ 95, 24.197,
187.139

■ 96, 16.127,
187.999

■ 98, 7.559, 188.869

100, 0.426,
344.125

100, 0.619,
323.963

Harmonies

Complementary

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



91, 48.541, 183.329



60, 71.805, 21.744

Rectangle

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



91, 48.541, 183.329



91, 48.541, 233.329



91, 48.541, 3.329



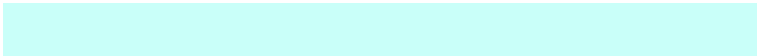
91, 48.541, 53.329

Sweetspot

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



91, 48.541, 183.328



96, 18.259, 187.784



89, 98.080, 136.053



51, 12.271, 187.547



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, 48.541, 183.328



91, 53.238, 181.775



73, 42.258, 253.883



52, 5.067, 188.778



70, 45.420, 179.648



23, 20.547, 181.453

Inverse Universe

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



60, 71.805, 21.744



56, 85.099, 27.288



71, 62.844, 54.420



50, 5.310, 10.235



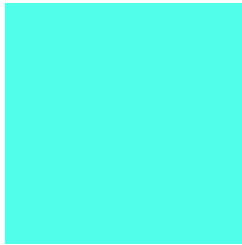
40, 78.965, 34.844



10, 32.463, 22.252

Previews

White Background



This preview shows how the CIE LCh color 91, 48.541, 183.329 looks on a white background.

Color Contrast Check

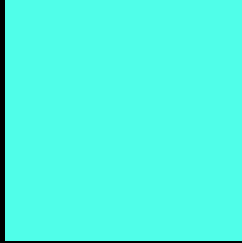
Large Text (above 18pt) WCAG AA × Fail

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, 48.541, 183.329 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, 48.541, 183.329

Background



This preview shows how black text looks on a background with the CIELCh color 91, 48.541, 183.329.

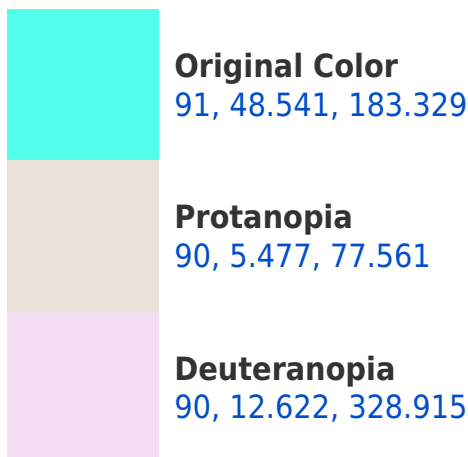


This preview shows how white text looks on a background with the CIELCh color 91, 48.541, 183.329.

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



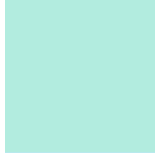


Tritanopia
91, 25.992, 214.270

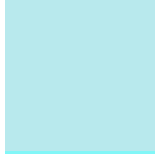
Trichromacy



Original Color
91, 48.541, 183.329



Protanomaly
89, 20.973, 179.124



Deuteranomaly
89, 16.375, 205.723

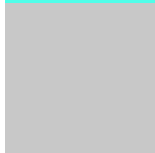


Tritanomaly
90, 34.324, 198.134

Monochromacy



Original Color
91, 48.541, 183.329



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 22.004, 186.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 48.541, 183.329 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(80, 254, 233)` looks like.

```
.text, #text, p{  
    color:rgb(80, 254, 233)  
}
```

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(80, 254, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 254, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 48.541, 183.329 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(80, 254, 233) }
```

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

```
.border{ border-color:rgb(80, 254, 233) }
```

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

Here you see how a box with a 4 pixel rgb(80, 254, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 254, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 254, 233);  
box-shadow:4px 4px 4px 4px rgb(80, 254,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 48.541, 183.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 254, 233) }
```

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

```
.background{ background-color: rgb(80, 254,  
233) }
```

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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