

Converting Colors

CIELCh(91, 50.729, 183.166)

Have a look what the booklet for
CIELCh(91, 50.729, 183.166)
contains.

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Color

CIELCh(91, 50.740, 183.178)

Conversions

Conversions Part 1

Format	Color
Hex	41FFE9
RGB	65, 255, 233
RGB Percent	25%, 100%, 91%
CMY	0.7454, 0.0002, 0.0865
CMYK	0.75, 0.00, 0.09, 0.00
HSL	173°, 100%, 63%
HSV	173°, 75%, 100%
XYZ	52.6151, 78.4833, 89.4239
YIQ	195.6820, -106.1780, -47.1220

Conversions

Conversions Part 2

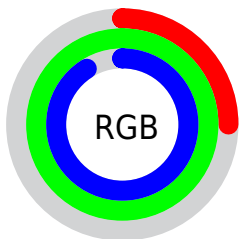
Format	Color
RYB	65, 166, 255
Decimal	4325353
CIELab	91.00, -50.66, -2.81
CIELCh	91, 50.740, 183.178
Yxy	78.4833, 0.2386, 0.3559
Android (android.graphics.Color)	4282515433 (0xFF41FFE9)
YUV	195.6820, 18.3978, -114.6081
Hunter-Lab	88.5908, -49.0207, 2.1660

Details

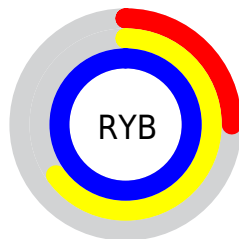
The CIELCh color **91, 50.740, 183.178** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 78.263, 24.423**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **72, 45.428, 182.021** is the 20% darker color. If you saturate the color by 10%, you get **91, 53.603, 182.016**, and if you desaturate by 10%, it is **92, 46.793, 184.240**.

Distribution



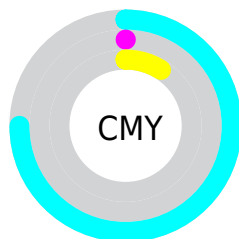
- Red (25%)
- Green (100%)
- Blue (91%)



- Red (25%)
- Yellow (65%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 50.740, 183.178 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, 50.740, 183.178 by changing the saturation by 10% instead.


 91, 50.740,
183.178


 91, 50.740,
183.178


 100, 50.740,
183.178


 81, 50.740,
183.178

 71, 50.740,
183.178

 61, 50.740,
183.178

 51, 50.740,
183.178

 41, 50.740,
183.178

 31, 50.740,
183.178

 21, 50.740,

183.178

■ 11, 50.740,
183.178

■ 1, 50.740, 183.178

■ 91, 50.740,
183.178

■ 91, 50.740,
183.178

■ 91, 53.603,
182.016

■ 92, 46.793,
184.240

■ 90, 55.467,
180.740

■ 92, 41.763,
185.227

■ 90, 56.189,
180.007

■ 93, 35.719,
186.155

■ 94, 28.780,
187.042

■ 96, 21.090,
187.901

■ 97, 12.803,
188.748

■ 99, 4.068, 189.665

100, 0.044,
317.459

Harmonies

Complementary

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



91, 50.740, 183.178



58, 78.263, 24.423

Rectangle

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



91, 50.740, 183.178



91, 50.740, 233.178



91, 50.740, 3.178



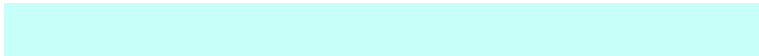
91, 50.740, 53.178

Sweetspot

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



91, 50.740, 183.177



96, 19.042, 188.116



89, 104.856, 135.962



51, 12.702, 187.886



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, 50.740, 183.177



91, 54.559, 181.461



71, 46.153, 258.772



52, 5.059, 189.183



70, 45.159, 180.256



23, 20.445, 182.004

Inverse Universe

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



58, 78.263, 24.423



54, 91.335, 30.933



69, 69.175, 55.381



50, 5.304, 10.626



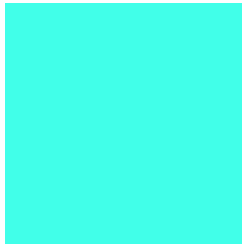
40, 79.210, 35.119



10, 32.495, 22.458

Previews

White Background



This preview shows how the CIE LCh color 91, 50.740, 183.178 looks on a white background.

Color Contrast Check

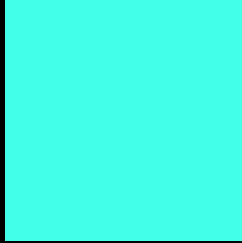
Large Text (above 18pt) WCAG AA × Fail

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, 50.740, 183.178 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, 50.740, 183.178

Background



This preview shows how black text looks on a background with the CIELCh color 91, 50.740, 183.178.

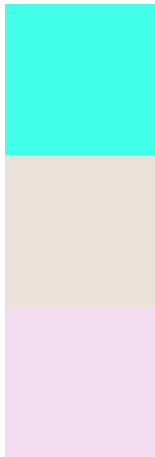


This preview shows how white text looks on a background with the CIELCh color 91, 50.740, 183.178.

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, 50.740, 183.178

Protanopia
90, 5.477, 77.561

Deuteranopia
90, 13.254, 328.751

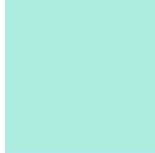


Tritanopia
91, 26.428, 212.769

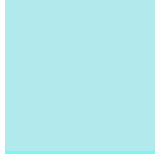
Trichromacy



Original Color
91, 50.740, 183.178



Protanomaly
89, 22.935, 179.287

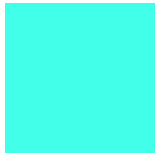


Deuteranomaly
89, 18.194, 204.871

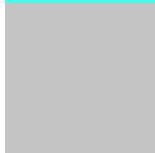


Tritanomaly
91, 35.939, 197.161

Monochromacy



Original Color
91, 50.740, 183.178



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 23.489, 187.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 50.740, 183.178 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(65, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 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(65, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 50.740, 183.178 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(65, 255, 233) }
```

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

```
.border{ border-color:rgb(65, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 50.740, 183.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 233) }
```

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

```
.background{ background-color: rgb(65, 255,  
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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