

Converting Colors

CIELCh(91, 45.785, 181.346)

Have a look what the booklet for
CIELCh(91, 45.785, 181.346)
contains.

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Color

CIELCh(91, 45.785, 181.346)

Conversions

Conversions Part 1

Format	Color
Hex	64FDE6
RGB	100, 253, 230
RGB Percent	39%, 99%, 90%
CMY	0.6090, 0.0088, 0.0990
CMYK	0.61, 0.00, 0.09, 0.01
HSL	171°, 97%, 69%
HSV	171°, 61%, 99%
XYZ	54.5175, 78.4833, 86.9583
YIQ	204.6310, -83.8050, -39.5890

Conversions

Conversions Part 2

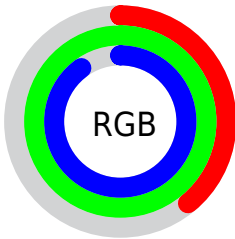
Format	Color
RYB	100, 183, 253
Decimal	6618598
CIELab	91.00, -45.77, -1.08
CIELCh	91, 45.785, 181.346
Yxy	78.4833, 0.2479, 0.3568
Android (android.graphics.Color)	4284808678 (0xFF64FDE6)
YUV	204.6310, 12.5069, -91.7614
Hunter-Lab	88.5908, -45.1876, 3.8162

Details

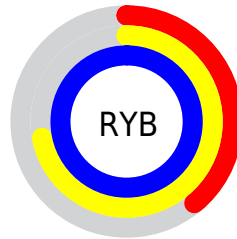
The CIELCh color **91, 45.785, 181.346** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 62.718, 16.894**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **71, 45.545, 181.311** is the 20% darker color. If you saturate the color by 10%, you get **90, 50.436, 180.144**, and if you desaturate by 10%, it is **92, 40.101, 182.448**.

Distribution



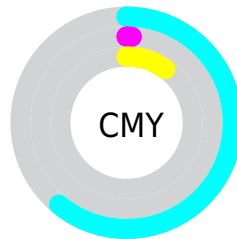
- Red (39%)
- Green (99%)
- Blue (90%)



- Red (39%)
- Yellow (72%)
- Blue (99%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 45.785, 181.346 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, 45.785, 181.346 by changing the saturation by 10% instead.


 91, 45.785,
181.346


 91, 45.785,
181.346


 100, 45.785,
181.346


 81, 45.785,
181.346

 71, 45.785,
181.346

 61, 45.785,
181.346

 51, 45.785,
181.346

 41, 45.785,
181.346

 31, 45.785,
181.346

 21, 45.785,

181.346

■ 11, 45.785,
181.346

■ 1, 45.785, 181.346

■ 91, 45.785,
181.346

■ 91, 45.785,
181.346

■ 90, 50.436,
180.144

■ 92, 40.101,
182.448

■ 90, 54.015,
178.823

■ 93, 33.480,
183.475

■ 90, 56.568,
177.362

■ 94, 26.056,
184.444

■ 89, 58.227,
175.866

■ 96, 17.983,
185.372

 97, 9.414, 186.284

 99, 0.493, 188.337

 99, 1.405, 324.271

Harmonies

Complementary

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



91, 45.785, 181.346



63, 62.718, 16.894

Rectangle

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



91, 45.785, 181.346



91, 45.785, 231.346



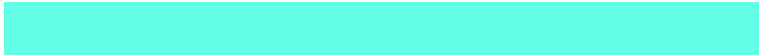
91, 45.785, 1.346



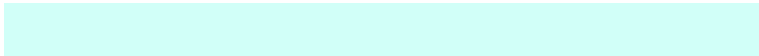
91, 45.785, 51.346

Sweetspot

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



91, 45.785, 181.345



97, 15.954, 185.603



90, 87.696, 135.919



51, 11.016, 185.338



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, 45.785, 181.345



91, 51.772, 179.827



77, 37.158, 246.070



52, 5.119, 186.381



69, 47.067, 176.155



23, 21.183, 178.263

Inverse Universe

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



63, 62.718, 16.894



58, 75.709, 21.216



72, 54.578, 51.856



50, 5.347, 7.911



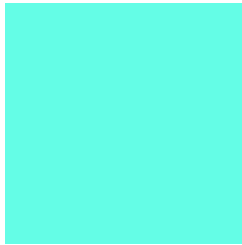
40, 77.465, 33.062



10, 32.278, 21.007

Previews

White Background



This preview shows how the CIE LCh color 91, 45.785, 181.346 looks on a white background.

Color Contrast Check

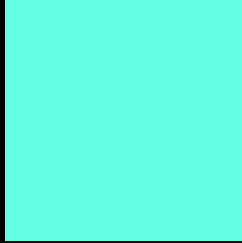
Large Text (above 18pt) WCAG AA × Fail

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, 45.785, 181.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

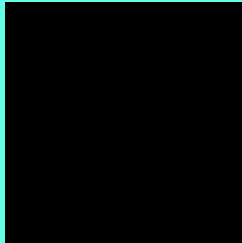
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

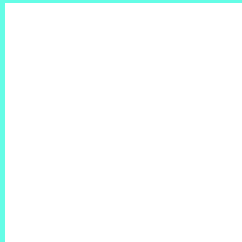
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 45.785, 181.346

Background



This preview shows how black text looks on a background with the CIELCh color 91, 45.785, 181.346.

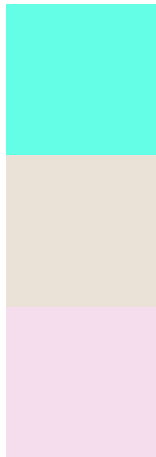


This preview shows how white text looks on a background with the CIELCh color 91, 45.785, 181.346.

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, 45.785, 181.346

Protanopia

90, 6.383, 82.374

Deuteranopia

90, 11.958, 336.329

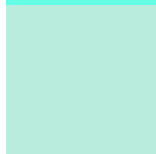


Tritanopia
91, 24.983, 215.006

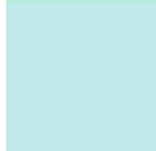
Trichromacy



Original Color
91, 45.785, 181.346



Protanomaly
90, 19.611, 172.951

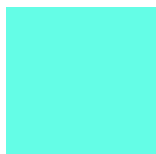


Deuteranomaly
90, 13.875, 200.681



Tritanomaly
91, 31.796, 198.352

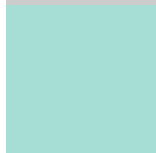
Monochromacy



Original Color
91, 45.785, 181.346



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 19.760, 184.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 45.785, 181.346 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(100, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(100, 253, 230)  
}
```

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(100, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 253, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 45.785, 181.346 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(100, 253, 230) }
```

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

```
.border{ border-color:rgb(100, 253, 230) }
```

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

Here you see how a box with a 4 pixel rgb(100, 253, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(100, 253,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 45.785, 181.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 253, 230) }
```

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

```
.background{ background-color: rgb(100,  
253, 230) }
```

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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