

Converting Colors

CIELCh(91, 41.780, 189.608)

Have a look what the booklet for
CIELCh(91, 41.780, 189.608)
contains.

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Color

CIELCh(91, 41.685, 189.589)

Conversions

Conversions Part 1

Format	Color
Hex	6AFBF1
RGB	106, 251, 241
RGB Percent	42%, 98%, 95%
CMY	0.5838, 0.0153, 0.0545
CMYK	0.58, 0.00, 0.04, 0.02
HSL	176°, 95%, 70%
HSV	176°, 58%, 98%
XYZ	56.3767, 78.4833, 95.4722
YIQ	206.5050, -83.2100, -33.8500

Conversions

Conversions Part 2

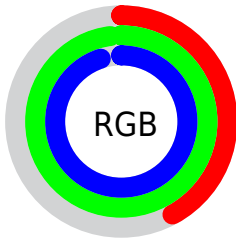
Format	Color
RYB	106, 181, 251
Decimal	7011313
CIELab	91.00, -41.10, -6.94
CIElCh	91, 41.685, 189.589
Yxy	78.4833, 0.2448, 0.3407
Android (android.graphics.Color)	4285201393 (0xFF6AFBF1)
YUV	206.5050, 17.0060, -88.1429
Hunter-Lab	88.5908, -41.4415, -1.8819

Details

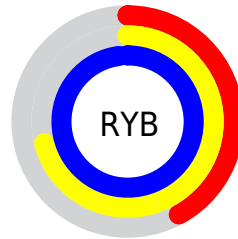
The CIELCh color **91, 41.685, 189.589** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 60.615, 22.160**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **71, 41.778, 189.441** is the 20% darker color. If you saturate the color by 10%, you get **90, 45.971, 188.851**, and if you desaturate by 10%, it is **92, 36.344, 190.306**.

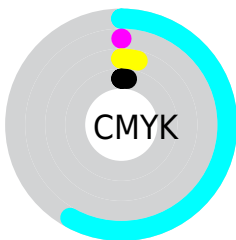
Distribution



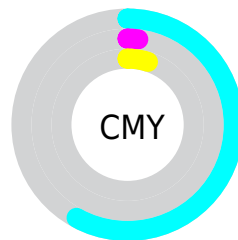
- Red (42%)
- Green (98%)
- Blue (95%)



- Red (42%)
- Yellow (71%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 41.685, 189.589 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, 41.685, 189.589 by changing the saturation by 10% instead.


 91, 41.685,
189.589


 91, 41.685,
189.589


 100, 41.685,
189.589


 81, 41.685,
189.589

 71, 41.685,
189.589

 61, 41.685,
189.589

 51, 41.685,
189.589

 41, 41.685,
189.589

 31, 41.685,
189.589

 21, 41.685,

189.589

■ 11, 41.685,
189.589

■ 1, 41.685, 189.589

■ 91, 41.685,
189.589

■ 91, 41.685,
189.589

■ 90, 45.971,
188.851

■ 92, 36.344,
190.306

■ 90, 49.162,
188.083

■ 93, 30.043,
191.018

■ 90, 51.290,
187.267

■ 94, 22.911,
191.732

■ 89, 52.486,
186.390

■ 96, 15.093,
192.457

89, 52.693,
186.189

97, 6.740, 193.224

99, 1.387, 10.766

99, 1.758, 341.159

99, 2.411, 324.678

99, 2.429, 324.399

Harmonies

Complementary

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



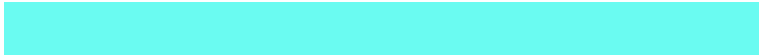
91, 41.685, 189.589



63, 60.615, 22.160

Rectangle

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



91, 41.685, 189.589



91, 41.685, 239.589



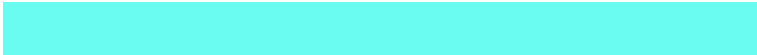
91, 41.685, 9.589



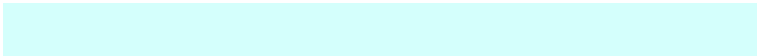
91, 41.685, 59.589

Sweetspot

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



91, 41.685, 189.587



97, 14.675, 192.510



89, 85.659, 137.885



51, 9.763, 192.362



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, 41.685, 189.587



92, 47.000, 188.752



74, 38.531, 257.209



51, 4.914, 193.081



69, 42.459, 186.353



22, 19.042, 187.550

Inverse Universe

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



63, 60.615, 22.160



60, 74.104, 25.705



75, 50.484, 59.947



49, 5.180, 14.365



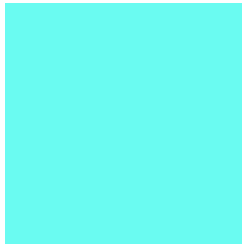
39, 80.525, 37.345



9, 31.712, 23.360

Previews

White Background



This preview shows how the CIE LCh color 91, 41.685, 189.589 looks on a white background.

Color Contrast Check

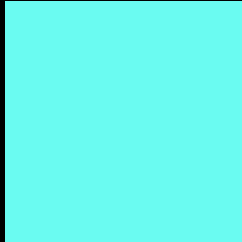
Large Text (above 18pt) WCAG AA × Fail

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, 41.685, 189.589 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, 41.685, 189.589

Background



This preview shows how black text looks on a background with the CIELCh color 91, 41.685, 189.589.

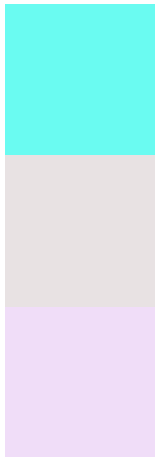


This preview shows how white text looks on a background with the CIELCh color 91, 41.685, 189.589.

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, 41.685, 189.589

Protanopia
90, 2.220, 5.791

Deuteranopia
90, 15.589, 316.298

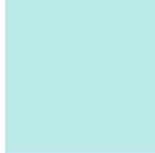


Tritanopia
91, 24.983, 215.006

Trichromacy



Original Color
91, 41.685, 189.589



Protanomaly
90, 16.637, 192.913



Deuteranomaly
90, 14.955, 225.660

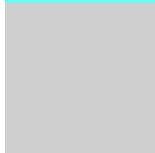


Tritanomaly
91, 31.066, 202.318

Monochromacy



Original Color
91, 41.685, 189.589



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 18.101, 191.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 41.685, 189.589 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(106, 251, 241)` looks like.

```
.text, #text, p{  
    color:rgb(106, 251, 241)  
}
```

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(106, 251, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 251, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 41.685, 189.589 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(106, 251, 241) }
```

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

```
.border{ border-color:rgb(106, 251, 241) }
```

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

Here you see how a box with a 4 pixel rgb(106, 251, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 251, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 251, 241);  
box-shadow:4px 4px 4px 4px rgb(106, 251,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 41.685, 189.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 251, 241) }
```

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

```
.background{ background-color: rgb(106,  
251, 241) }
```

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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