

Converting Colors

CIELCh(91, 42.344, 189.393)

Have a look what the booklet for
CIELCh(91, 42.344, 189.393)
contains.

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Color

CIELCh(91, 42.218, 189.646)

Conversions

Conversions Part 1

Format	Color
Hex	67FBF1
RGB	103, 251, 241
RGB Percent	40%, 98%, 95%
CMY	0.5945, 0.0143, 0.0536
CMYK	0.59, 0.00, 0.04, 0.01
HSL	176°, 95%, 70%
HSV	176°, 59%, 99%
XYZ	56.1682, 78.4833, 95.6672
YIQ	205.6080, -84.9980, -34.4860

Conversions

Conversions Part 2

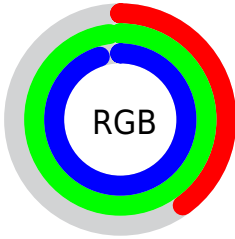
Format	Color
RYB	103, 180, 251
Decimal	6814705
CIELab	91.00, -41.62, -7.07
CIELCh	91, 42.218, 189.646
Yxy	78.4833, 0.2439, 0.3408
Android (android.graphics.Color)	4285004785 (0xFF67FBF1)
YUV	205.6080, 17.4483, -89.9872
Hunter-Lab	88.5908, -41.8616, -2.0123

Details

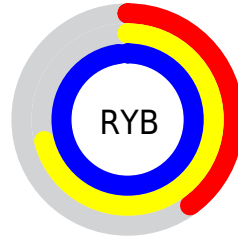
The CIELCh color **91, 42.218, 189.646** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 61.967, 22.571**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **71, 42.302, 189.488** is the 20% darker color. If you saturate the color by 10%, you get **90, 46.376, 188.914**, and if you desaturate by 10%, it is **92, 36.997, 190.357**.

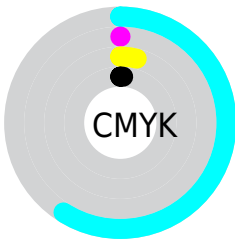
Distribution



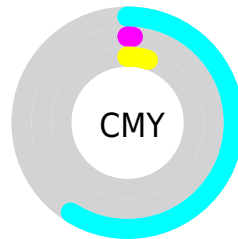
- Red (40%)
- Green (98%)
- Blue (95%)



- Red (40%)
- Yellow (71%)
- Blue (98%)



- Cyan (59%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (59%)
- Magenta (1%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 42.218, 189.646 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, 42.218, 189.646 by changing the saturation by 10% instead.


 91, 42.218,
189.646


 91, 42.218,
189.646


 100, 42.218,
189.646


 81, 42.218,
189.646

 71, 42.218,
189.646

 61, 42.218,
189.646

 51, 42.218,
189.646

 41, 42.218,
189.646

 31, 42.218,
189.646

 21, 42.218,

189.646

■ 11, 42.218,
189.646

■ 1, 42.218, 189.646

■ 91, 42.218,
189.646

■ 91, 42.218,
189.646

■ 90, 46.376,
188.914

■ 92, 36.997,
190.357

■ 90, 49.437,
188.152

■ 93, 30.800,
191.063

■ 90, 51.441,
187.342

■ 94, 23.755,
191.772

■ 89, 52.554,
186.474

■ 96, 16.007,
192.491

■ 89, 52.657,
186.375

■ 97, 7.704, 193.244

■ 99, 1.012, 13.239

■ 99, 1.619, 342.524

■ 99, 2.253, 324.845

■ 99, 2.279, 324.386

Harmonies

Complementary

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



91, 42.218, 189.646



63, 61.967, 22.571

Rectangle

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



91, 42.218, 189.646



91, 42.218, 239.646



91, 42.218, 9.646



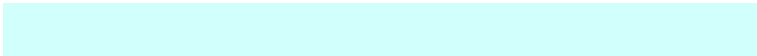
91, 42.218, 59.646

Sweetspot

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



91, 42.218, 189.644



97, 15.491, 192.552



89, 87.147, 137.782



51, 10.678, 192.341



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, 42.218, 189.644



91, 47.660, 188.750



74, 39.208, 257.576



51, 4.912, 193.194



69, 42.401, 186.537



22, 19.020, 187.713

Inverse Universe

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



63, 61.967, 22.571



59, 76.336, 26.522



75, 51.666, 59.838



49, 5.179, 14.473



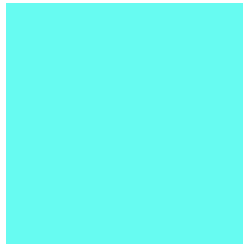
39, 80.580, 37.400



9, 31.721, 23.415

Previews

White Background



This preview shows how the CIE LCh color 91, 42.218, 189.646 looks on a white background.

Color Contrast Check

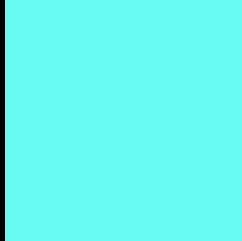
Large Text (above 18pt) WCAG AA × Fail

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, 42.218, 189.646 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

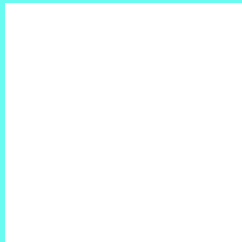
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 42.218, 189.646

Background



This preview shows how black text looks on a background with the CIELCh color 91, 42.218, 189.646.

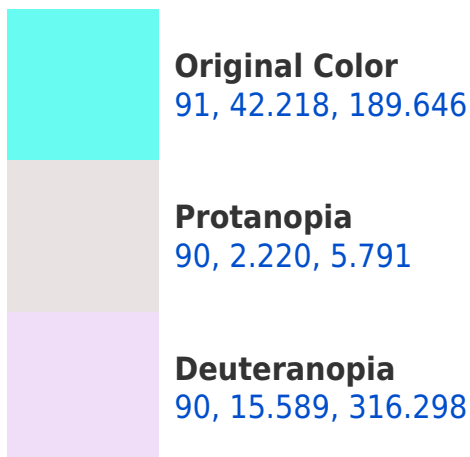


This preview shows how white text looks on a background with the CIELCh color 91, 42.218, 189.646.

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



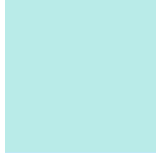


Tritanopia
91, 24.983, 215.006

Trichromacy



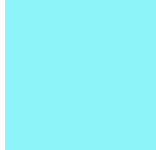
Original Color
91, 42.218, 189.646



Protanomaly
90, 16.949, 192.991

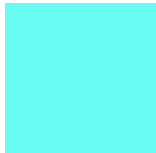


Deuteranomaly
90, 15.427, 226.947

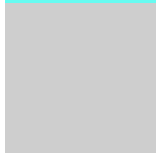


Tritanomaly
91, 31.302, 202.267

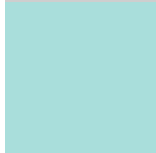
Monochromacy



Original Color
91, 42.218, 189.646



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 18.005, 193.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 42.218, 189.646 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(103, 251, 241)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 251, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 251, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 42.218, 189.646 is called "border". The border property can be set on classes, ids or directly on the HTML element.

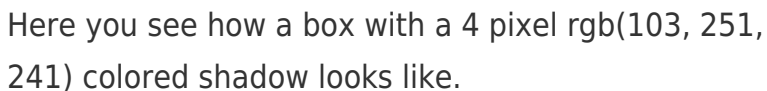
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 251, 241) }
```

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

```
.border{ border-color:rgb(103, 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(103, 251, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 251, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 251, 241);  
box-shadow:4px 4px 4px 4px rgb(103, 251,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 42.218, 189.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 251, 241) }
```

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

```
.background{ background-color: rgb(103,  
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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