

Converting Colors

CIELCh(91, 40.761, 199.334)

Have a look what the booklet for
CIELCh(91, 40.761, 199.334)
contains.

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Color

CIELCh(91, 40.686, 199.877)

Conversions

Conversions Part 1

Format	Color
Hex	64FAFE
RGB	100, 250, 254
RGB Percent	39%, 98%, 100%
CMY	0.6063, 0.0183, 0.0026
CMYK	0.61, 0.02, 0.00, 0.00
HSL	182°, 99%, 70%
HSV	182°, 61%, 100%
XYZ	57.5280, 78.4833, 106.1558
YIQ	205.6060, -90.6840, -30.5560

Conversions

Conversions Part 2

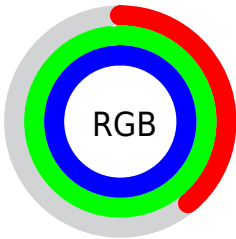
Format	Color
RYB	100, 176, 254
Decimal	6617854
CIELab	91.00, -38.26, -13.83
CIELCh	91, 40.686, 199.877
Yxy	78.4833, 0.2376, 0.3241
Android (android.graphics.Color)	4284807934 (0xFF64FAFE)
YUV	205.6060, 23.8582, -92.6165
Hunter-Lab	88.5908, -39.1218, -9.0319

Details

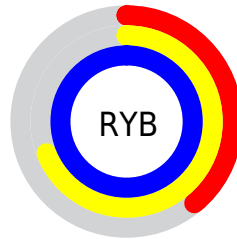
The CIELCh color **91, 40.686, 199.877** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 65.137, 29.187**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **71, 40.101, 199.619** is the 20% darker color. If you saturate the color by 10%, you get **90, 44.131, 199.898**, and if you desaturate by 10%, it is **92, 36.141, 199.961**.

Distribution



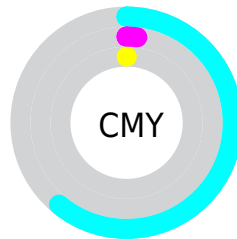
- Red (39%)
- Green (98%)
- Blue (100%)



- Red (39%)
- Yellow (69%)
- Blue (100%)



- Cyan (61%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 40.686, 199.877 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, 40.686, 199.877 by changing the saturation by 10% instead.

■ 91, 40.686,
199.877

■ 91, 40.686,
199.877

■ 100, 40.686,
199.877

■ 81, 40.686,
199.877

■ 71, 40.686,
199.877

■ 61, 40.686,
199.877

■ 51, 40.686,
199.877

■ 41, 40.686,
199.877

■ 31, 40.686,
199.877

■ 21, 40.686,

199.877

■ 11, 40.686,
199.877

■ 1, 40.686, 199.877

■ 91, 40.686,
199.877

■ 91, 40.686,
199.877

■ 90, 44.131,
199.898

■ 92, 36.141,
199.961

■ 90, 46.466,
200.035

■ 93, 30.565,
200.145

■ 89, 47.754,
200.288

■ 94, 24.071,
200.420

■ 89, 48.206,
200.622

■ 96, 16.792,
200.775

98, 8.872, 201.217

100, 0.451,
203.074

100, 0.306,
106.787

100, 0.330,
109.919

Harmonies

Complementary

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



91, 40.686, 199.877



63, 65.137, 29.187

Rectangle

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



91, 40.686, 199.877



91, 40.686, 249.877



91, 40.686, 19.877



91, 40.686, 69.877

Sweetspot

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



91, 40.686, 199.875



97, 14.880, 200.877



89, 90.996, 139.483



51, 10.242, 200.760



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, 40.686, 199.875



90, 44.904, 199.921



70, 46.332, 270.188



52, 4.817, 201.270



69, 38.928, 200.547



23, 17.984, 200.029

Inverse Universe

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



67, 89.292, 328.289



64, 101.765, 328.736



79, 54.174, 69.289



50, 8.899, 325.650



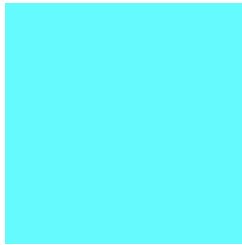
45, 91.206, 329.293



12, 42.062, 329.162

Previews

White Background



This preview shows how the CIE LCh color 91, 40.686, 199.877 looks on a white background.

Color Contrast Check

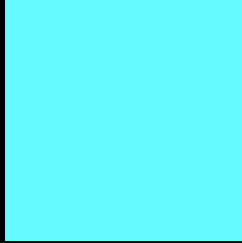
Large Text (above 18pt) WCAG AA × Fail

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, 40.686, 199.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

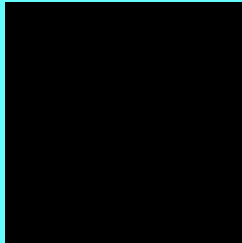
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

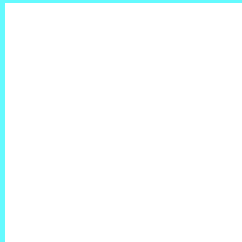
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 40.686, 199.877

Background



This preview shows how black text looks on a background with the CIELCh color 91, 40.686, 199.877.




This preview shows how white text looks on a background with the CIELCh color 91, 40.686, 199.877.

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, 25.489, 214.630

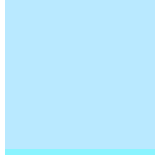
Trichromacy



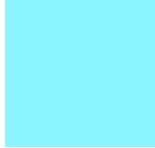
Original Color
91, 40.686, 199.877



Protanomaly
90, 17.899, 215.351



Deuteranomaly
90, 18.854, 236.191

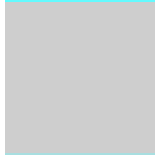


Tritanomaly
91, 31.395, 208.100

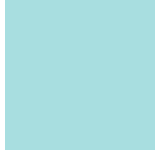
Monochromacy



Original Color
91, 40.686, 199.877



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 18.001, 201.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 40.686, 199.877 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, 250, 254)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 254)  
}
```

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, 250, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 40.686, 199.877 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, 250, 254) }
```

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

```
.border{ border-color:rgb(100, 250, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 250, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 250, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 250, 254);  
box-shadow:4px 4px 4px 4px rgb(100, 250,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 40.686, 199.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 254) }
```

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

```
.background{ background-color: rgb(100,  
250, 254) }
```

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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