

Converting Colors

CIELCh(91, 37.366, 203.025)

Have a look what the booklet for
CIELCh(91, 37.366, 203.025)
contains.

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Color

CIELCh(91, 37.483, 201.934)

Conversions

Conversions Part 1

Format	Color
Hex	74F9FF
RGB	116, 249, 255
RGB Percent	45%, 98%, 100%
CMY	0.5462, 0.0246, 0.0010
CMYK	0.55, 0.02, 0.00, 0.00
HSL	183°, 100%, 73%
HSV	183°, 55%, 100%
XYZ	58.9649, 78.4833, 106.4259
YIQ	209.9170, -81.1940, -26.3300

Conversions

Conversions Part 2

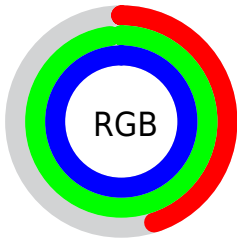
Format	Color
R_{YB}	116, 184, 255
Decimal	7666175
CIE _{Lab}	91.00, -34.77, -14.00
CIE _{LCh}	91, 37.483, 201.934
Yxy	78.4833, 0.2418, 0.3218
Android (android.graphics.Color)	4285856255 (0xFF74F9FF)
YUV	209.9170, 22.2259, -82.3652
Hunter-Lab	88.5908, -36.2267, -9.2127

Details

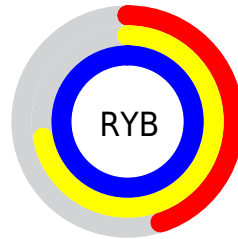
The CIELCh color **91, 37.483, 201.934** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **67, 57.219, 28.840**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **71, 37.481, 201.729** is the 20% darker color. If you saturate the color by 10%, you get **90, 41.499, 202.040**, and if you desaturate by 10%, it is **92, 32.409, 201.954**.

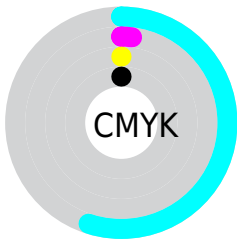
Distribution



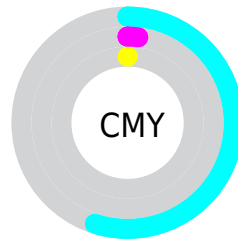
- Red (45%)
- Green (98%)
- Blue (100%)



- Red (45%)
- Yellow (72%)
- Blue (100%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 37.483, 201.934 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, 37.483, 201.934 by changing the saturation by 10% instead.

■ 91, 37.483,
201.934

■ 91, 37.483,
201.934

■ 100, 37.483,
201.934

■ 81, 37.483,
201.934

■ 71, 37.483,
201.934

■ 61, 37.483,
201.934

■ 51, 37.483,
201.934

■ 41, 37.483,
201.934

■ 31, 37.483,
201.934

■ 21, 37.483,

201.934

■ 11, 37.483,
201.934

■ 1, 37.483, 201.934

■ 91, 37.483,
201.934

■ 91, 37.483,
201.934

■ 90, 41.499,
202.040

■ 92, 32.409,
201.954

■ 89, 44.408,
202.290

■ 94, 26.377,
202.090

■ 89, 46.224,
202.696

■ 95, 19.514,
202.326

■ 88, 47.043,
203.263

■ 97, 11.959,
202.655

■ 88, 47.194,
203.622

■ 99, 3.855, 203.145
100, 0.122,
109.534

Harmonies

Complementary

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



91, 37.483, 201.934



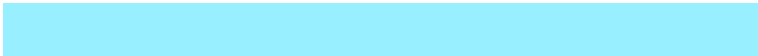
67, 57.219, 28.840

Rectangle

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



91, 37.483, 201.934



91, 37.483, 251.934



91, 37.483, 21.934



91, 37.483, 71.934

Sweetspot

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



91, 37.483, 201.932



97, 13.084, 202.602



90, 82.600, 140.603



51, 8.777, 202.530



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

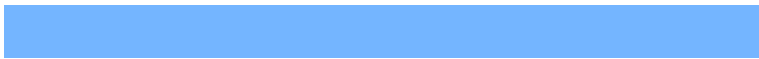
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 37.483, 201.932



90, 41.679, 202.047



72, 42.959, 270.012



52, 4.736, 202.866



68, 38.077, 203.491



23, 17.631, 202.587

Inverse Universe

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



70, 81.310, 328.573



66, 93.271, 329.028



81, 48.663, 71.720



50, 8.795, 326.129



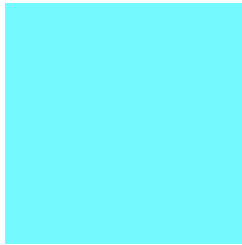
45, 89.980, 330.030



12, 41.565, 329.804

Previews

White Background



This preview shows how the CIE LCh color 91, 37.483, 201.934 looks on a white background.

Color Contrast Check

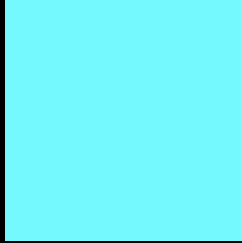
Large Text (above 18pt) WCAG AA × Fail

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, 37.483, 201.934 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, 37.483, 201.934

Background



This preview shows how black text looks on a background with the CIELCh color 91, 37.483, 201.934.

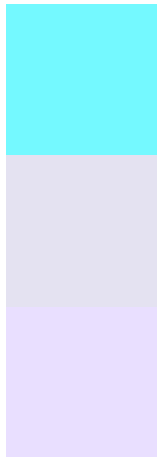


This preview shows how white text looks on a background with the CIELCh color 91, 37.483, 201.934.

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, 37.483, 201.934

Protanopia

90, 7.839, 295.905

Deuteranopia

90, 17.043, 303.020

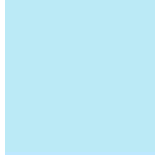


Tritanopia
91, 24.728, 215.201

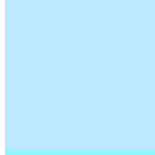
Trichromacy



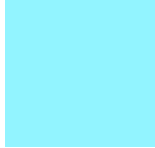
Original Color
91, 37.483, 201.934



Protanomaly
90, 16.446, 220.920



Deuteranomaly
90, 17.778, 241.260

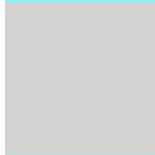


Tritanomaly
91, 29.773, 208.775

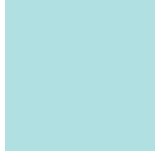
Monochromacy



Original Color
91, 37.483, 201.934



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 16.139, 202.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 37.483, 201.934 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(116, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 249, 255)  
}
```

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(116, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 249, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 37.483, 201.934 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(116, 249, 255) }
```

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

```
.border{ border-color:rgb(116, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(116, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(116, 249,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 37.483, 201.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 249, 255) }
```

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

```
.background{ background-color: rgb(116,  
249, 255) }
```

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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