

Converting Colors

CIELCh(71, 46.459, 290.585)

Have a look what the booklet for
CIELCh(71, 46.459, 290.585)
contains.

CIELCh(71, 46.411, 290.558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 46.411, 290.558)

Conversions

Conversions Part 1

Format	Color
Hex	9DA8FD
RGB	157, 168, 253
RGB Percent	62%, 66%, 99%
CMY	0.3849, 0.3417, 0.0085
CMYK	0.38, 0.34, 0.00, 0.01
HSL	233°, 96%, 80%
HSV	233°, 38%, 99%
XYZ	45.5564, 42.1875, 98.5401
YIQ	174.4010, -33.8410, 24.1030

Conversions

Conversions Part 2

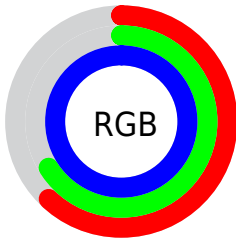
Format	Color
R _{YB}	157, 167, 253
Decimal	10332413
CIE _{Lab}	71.00, 16.30, -43.46
CIE _{LCh}	71, 46.411, 290.558
Yxy	42.1875, 0.2446, 0.2265
Android (android.graphics.Color)	4288522493 (0xFF9DA8FD)
YUV	174.4010, 38.7493, -15.2607
Hunter-Lab	64.9519, 11.5317, -44.4839

Details

The CIELCh color **71, 46.411, 290.558** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 43.126, 100.932**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 16.873, 281.296**, and **51, 46.585, 290.540** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.798, 292.622**, and if you desaturate by 10%, it is **78, 33.539, 288.783**.

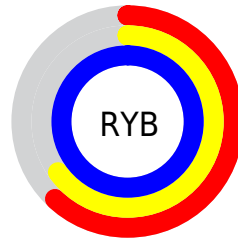
Distribution



Red (62%)

Green (66%)

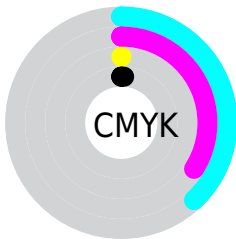
Blue (99%)



Red (62%)

Yellow (65%)

Blue (99%)

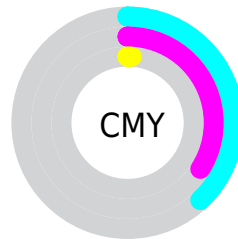


Cyan (38%)

Magenta (34%)

Yellow (0%)

Black (1%)



Cyan (38%)

Magenta (34%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 46.411, 290.558 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 71, 46.411, 290.558 by changing the saturation by 10% instead.

■ 71, 46.411,
290.558

■ 71, 46.411,
290.558

■ 100, 46.411,
290.558

■ 61, 46.411,
290.558

■ 91, 46.411,
290.558

■ 51, 46.411,
290.558

■ 41, 46.411,
290.558

■ 31, 46.411,
290.558

■ 21, 46.411,
290.558

■ 11, 46.411,
290.558

■ 1, 46.411, 290.558

■ 0, 46.411, 290.558

■ 71, 46.411,
290.558

■ 71, 46.411,
290.558

■ 64, 59.798,
292.622

■ 78, 33.539,
288.783

■ 56, 73.693,
294.972

■ 86, 21.156,
287.269

■ 50, 87.948,
297.555

■ 93, 9.220, 285.987

■ 43, 102.098,
300.221

■ 100, 1.082,
110.026

■ 38, 115.107,
302.713

■ 34, 125.330,
304.700

■ 34, 126.940,
305.000

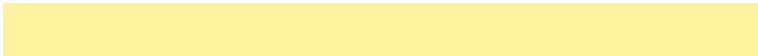
Harmonies

Complementary

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



71, 46.411, 290.558



95, 43.126, 100.932

Rectangle

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



71, 46.411, 290.558



71, 46.411, 340.558



71, 46.411, 110.558



71, 46.411, 160.558

Sweetspot

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



71, 46.410, 290.558



92, 12.887, 286.354



93, 31.059, 186.664



48, 8.679, 286.524



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 46.410, 290.558



66, 57.524, 292.197



71, 53.790, 307.220



49, 6.644, 286.171



25, 101.892, 304.720



5, 40.481, 299.657

Inverse Universe

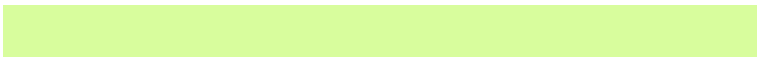
The Inverse Universe completely reimagines the original color for something new.



75, 38.240, 14.408



71, 47.480, 15.941



95, 50.139, 122.915



50, 5.303, 10.715



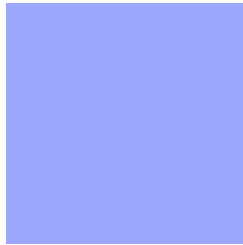
40, 79.266, 35.181



10, 32.503, 22.505

Previews

White Background



This preview shows how the CIELCh color 71, 46.411, 290.558 looks on a white background.

Color Contrast Check

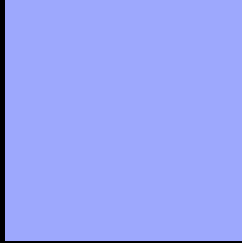
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 46.411, 290.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

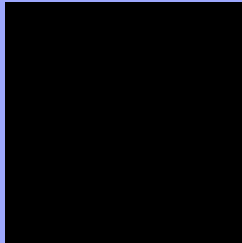
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 46.411, 290.558

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.411, 290.558.



This preview shows how white text looks on a background with the CIELCh color 71, 46.411, 290.558.

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

71, 46.411, 290.558

Protanopia

71, 46.106, 285.228

Deuteranopia

71, 44.106, 283.064



Tritanopia
71, 14.500, 230.558

Trichromacy



Original Color
71, 46.411, 290.558

Protanomaly
71, 45.997, 286.927

Deuteranomaly
71, 44.993, 285.916

Tritanomaly
71, 22.818, 268.776

Monochromacy



Original Color
71, 46.411, 290.558

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 16.969, 287.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.411, 290.558 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(157, 168, 253)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 253)  
}
```

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(157, 168, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.411, 290.558 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(157, 168, 253) }
```

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

```
.border{ border-color:rgb(157, 168, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 168, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 168, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 168, 253);  
box-shadow:4px 4px 4px 4px rgb(157, 168,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.411, 290.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 253) }
```

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

```
.background{ background-color: rgb(157,  
168, 253) }
```

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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