

Converting Colors

CIELCh(70, 46.148, 286.325)

Have a look what the booklet for
CIELCh(70, 46.148, 286.325)
contains.

CIELCh(70, 46.194, 286.361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 46.194, 286.361)

Conversions

Conversions Part 1

Format	Color
Hex	90A7FB
RGB	144, 167, 251
RGB Percent	56%, 65%, 98%
CMY	0.4336, 0.3435, 0.0139
CMYK	0.43, 0.33, 0.00, 0.01
HSL	227°, 94%, 78%
HSV	227°, 43%, 99%
XYZ	42.9547, 40.7494, 97.2376
YIQ	169.6990, -40.6720, 21.2480

Conversions

Conversions Part 2

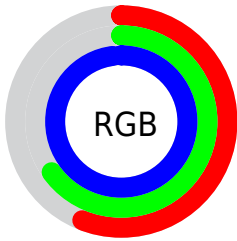
Format	Color
RYB	144, 163, 251
Decimal	9480187
CIELab	70.00, 13.01, -44.32
CIELCh	70, 46.194, 286.361
Yxy	40.7494, 0.2374, 0.2252
Android (android.graphics.Color)	4287670267 (0xFF90A7FB)
YUV	169.6990, 40.0814, -22.5380
Hunter-Lab	63.8353, 8.4007, -45.6293

Details

The CIELCh color `70, 46.194, 286.361` is a light color, and the websafe version is hex `6699FF`. A complement of this color would be `91, 43.896, 94.343`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 18.365, 269.583`, and `50, 46.416, 286.434` is the 20% darker color. If you saturate the color by 10%, you get `63, 57.991, 288.725`, and if you desaturate by 10%, it is `77, 34.791, 284.322`.

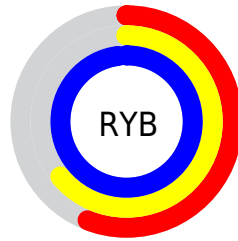
Distribution



Red (56%)

Green (65%)

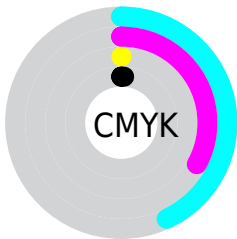
Blue (98%)



Red (56%)

Yellow (64%)

Blue (98%)

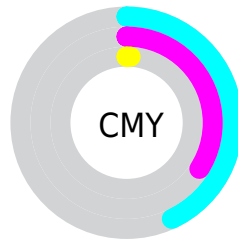


Cyan (43%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (43%)


Magenta (34%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.194, 286.361 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 70, 46.194, 286.361 by changing the saturation by 10% instead.


 70, 46.194,
286.361


 70, 46.194,
286.361


 100, 46.194,
286.361


 60, 46.194,
286.361


 90, 46.194,
286.361

 50, 46.194,
286.361

 40, 46.194,
286.361

 30, 46.194,
286.361

 20, 46.194,
286.361

 10, 46.194,
286.361

 0, 46.194, 286.361

70, 46.194,
286.361

70, 46.194,
286.361

63, 57.991,
288.725

77, 34.791,
284.322

57, 70.206,
291.415

84, 23.750,
282.578

51, 82.782,
294.378

90, 13.037,
281.093

45, 95.474,
297.478

97, 2.626, 279.877

40, 107.670,
300.483

100, 1.791,
110.001

37, 115.837,
302.449

Harmonies

Complementary

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



70, 46.194, 286.361



91, 43.896, 94.343

Rectangle

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



70, 46.194, 286.361



70, 46.194, 336.361



70, 46.194, 106.361



70, 46.194, 156.361

Sweetspot

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



70, 46.193, 286.361



91, 13.660, 281.155



92, 36.316, 177.733



47, 9.588, 281.465



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 46.193, 286.361



65, 56.773, 288.345



67, 59.962, 304.441



49, 5.849, 280.686



27, 91.939, 301.984



6, 35.518, 296.425

Inverse Universe

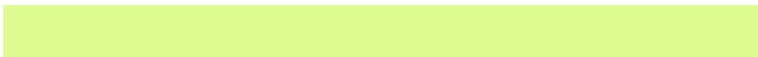
The Inverse Universe completely reimagines the original color for something new.



72, 43.242, 7.649



68, 52.788, 9.441



95, 54.588, 118.644



49, 5.368, 2.977



39, 73.461, 28.420



9, 30.921, 17.045

Previews

White Background



This preview shows how the CIELCh color 70, 46.194, 286.361 looks on a white background.

Color Contrast Check

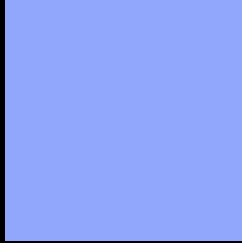
Large Text (above 18pt) WCAG AA × Fail

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 70, 46.194, 286.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

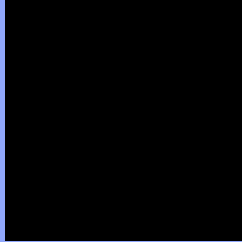
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 46.194, 286.361

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.194, 286.361.



This preview shows how white text looks on a background with the CIELCh color 70, 46.194, 286.361.

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

70, 46.194, 286.361

Protanopia

70, 46.210, 285.665

Deuteranopia

70, 44.887, 282.043



Tritanopia
70, 17.991, 223.641

Trichromacy



Original Color
70, 46.194, 286.361

Protanomaly
70, 46.178, 285.994

Deuteranomaly
70, 45.287, 283.605

Tritanomaly
70, 24.328, 260.896

Monochromacy



Original Color
70, 46.194, 286.361

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 17.159, 282.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.194, 286.361 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(144, 167, 251)` looks like.

```
.text, #text, p{  
    color:rgb(144, 167, 251)  
}
```

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(144, 167, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 167, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.194, 286.361 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(144, 167, 251) }
```

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

```
.border{ border-color:rgb(144, 167, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 167, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 167, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 167, 251);  
box-shadow:4px 4px 4px 4px rgb(144, 167,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.194, 286.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 167, 251) }
```

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

```
.background{ background-color: rgb(144,  
167, 251) }
```

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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