

Converting Colors

CIELCh(70, 47.506, 283.491)

Have a look what the booklet for
CIELCh(70, 47.506, 283.491)
contains.

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Color

CIELCh(70, 47.508, 283.490)

Conversions

Conversions Part 1

Format	Color
Hex	88A9FF
RGB	136, 169, 255
RGB Percent	53%, 66%, 100%
CMY	0.4673, 0.3378, 0.0006
CMYK	0.47, 0.34, 0.00, 0.00
HSL	223°, 100%, 77%
HSV	223°, 47%, 100%
XYZ	42.3098, 40.7494, 100.1034
YIQ	168.9370, -47.2740, 19.7500

Conversions

Conversions Part 2

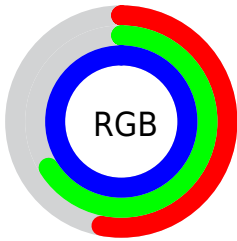
Format	Color
R _Y B	136, 162, 255
Decimal	8956415
CIE Lab	70.00, 11.08, -46.20
CIE LCh	70, 47.508, 283.490
Yxy	40.7494, 0.2310, 0.2225
Android (android.graphics.Color)	4287146495 (0xFF88A9FF)
YUV	168.9370, 42.4291, -28.8857
Hunter-Lab	63.8353, 6.5975, -48.2911

Details

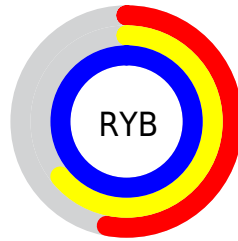
The CIELCh color **70, 47.508, 283.490** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **89, 46.203, 89.323**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.609, 259.924**, and **50, 47.771, 283.800** is the 20% darker color. If you saturate the color by 10%, you get **64, 58.464, 286.116**, and if you desaturate by 10%, it is **76, 36.866, 281.219**.

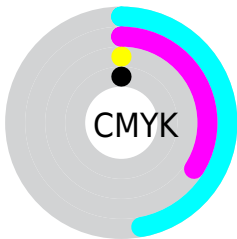
Distribution



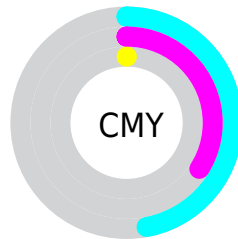
- Red (53%)
- Green (66%)
- Blue (100%)



- Red (53%)
- Yellow (64%)
- Blue (100%)



- Cyan (47%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 47.508, 283.490 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, 47.508, 283.490 by changing the saturation by 10% instead.

■ 70, 47.508,
283.490

■ 70, 47.508,
283.490

■ 100, 47.508,
283.490

■ 60, 47.508,
283.490

■ 90, 47.508,
283.490

■ 50, 47.508,
283.490

■ 40, 47.508,
283.490

■ 30, 47.508,
283.490

■ 20, 47.508,
283.490

■ 10, 47.508,
283.490

■ 0, 47.508, 283.490

70, 47.508,
283.490

70, 47.508,
283.490

64, 58.464,
286.116

76, 36.866,
281.219

58, 69.768,
289.093

83, 26.503,
279.274

52, 81.401,
292.356

89, 16.390,
277.616

47, 93.200,
295.761

96, 6.506, 276.215

42, 104.724,
299.068

100, 0.072,
109.100

41, 108.366,
300.057

Harmonies

Complementary

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



70, 47.508, 283.490



89, 46.203, 89.323

Rectangle

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



70, 47.508, 283.490



70, 47.508, 333.490



70, 47.508, 103.490



70, 47.508, 153.490

Sweetspot

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



70, 47.507, 283.490



91, 13.712, 277.213



93, 41.843, 172.123



47, 9.488, 277.534



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, 47.507, 283.490



64, 57.722, 285.923



64, 66.760, 302.884



50, 5.543, 276.582



30, 85.845, 299.504



7, 34.432, 294.696

Inverse Universe

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



71, 48.616, 3.782



66, 58.214, 5.871



96, 59.565, 115.562



50, 5.605, 358.400



40, 71.506, 23.274



10, 31.561, 14.277

Previews

White Background



This preview shows how the CIE LCh color 70, 47.508, 283.490 looks on a white background.

Color Contrast Check

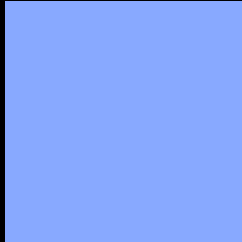
Large Text (above 18pt) WCAG AA × Fail

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, 47.508, 283.490 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, 47.508, 283.490

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.508, 283.490.



This preview shows how white text looks on a background with the CIELCh color 70, 47.508, 283.490.

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, 47.508, 283.490

Protanopia

70, 47.337, 285.380

Deuteranopia

70, 47.105, 282.030



Tritanopia
70, 21.362, 219.154

Trichromacy



Original Color
70, 47.508, 283.490

Protanomaly
70, 47.405, 284.755

Deuteranomaly
70, 47.062, 282.329

Tritanomaly
70, 26.589, 254.662

Monochromacy



Original Color
70, 47.508, 283.490

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 17.391, 278.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.508, 283.490 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(136, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 169, 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(136, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 169, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.508, 283.490 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(136, 169, 255) }
```

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

```
.border{ border-color:rgb(136, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 169,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.508, 283.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 169, 255) }
```

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

```
.background{ background-color: rgb(136,  
169, 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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