

Converting Colors

CIELCh(70, 54.755, 286.521)

Have a look what the booklet for
CIELCh(70, 54.755, 286.521)
contains.

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Color

CIELCh(70, 48.580, 284.569)

Conversions

Conversions Part 1

Format	Color
Hex	89A8FF
RGB	137, 168, 255
RGB Percent	54%, 66%, 100%
CMY	0.4614, 0.3402, 0.0000
CMYK	0.46, 0.34, 0.00, 0.00
HSL	224°, 100%, 77%
HSV	224°, 46%, 100%
XYZ	42.6892, 40.7494, 101.3761
YIQ	168.6490, -46.4030, 20.4850

Conversions

Conversions Part 2

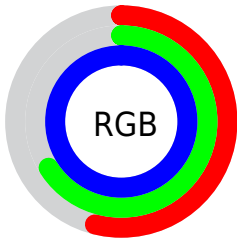
Format	Color
R _Y B	137, 162, 255
Decimal	9021695
CIE Lab	70.00, 12.22, -47.02
CIE LCh	70, 48.580, 284.569
Yxy	40.7494, 0.2310, 0.2205
Android (android.graphics.Color)	4287211775 (0xFF89A8FF)
YUV	168.6490, 42.5710, -27.7562
Hunter-Lab	63.8353, 7.6583, -49.4731

Details

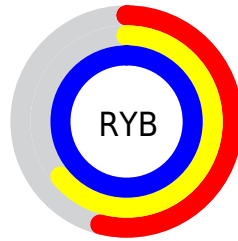
The CIELCh color **70, 48.580, 284.569** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **90, 46.217, 90.500**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.768, 262.528**, and **50, 48.317, 284.632** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.073, 286.885**, and if you desaturate by 10%, it is **76, 36.988, 282.078**.

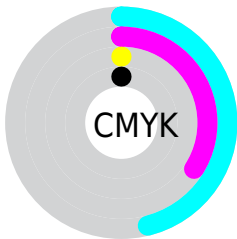
Distribution



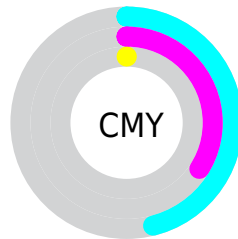
- Red (54%)
- Green (66%)
- Blue (100%)



- Red (54%)
- Yellow (64%)
- Blue (100%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 48.580, 284.569 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, 48.580, 284.569 by changing the saturation by 10% instead.

■ 70, 48.580,
284.569

■ 70, 48.580,
284.569

■ 100, 48.580,
284.569

■ 60, 48.580,
284.569

■ 90, 48.580,
284.569

■ 50, 48.580,
284.569

■ 40, 48.580,
284.569

■ 30, 48.580,
284.569

■ 20, 48.580,
284.569

■ 10, 48.580,
284.569

■ 0, 48.580, 284.569

70, 48.580,
284.569

70, 48.580,
284.569

64, 59.073,
286.885

76, 36.988,
282.078

57, 70.650,
289.806

83, 26.417,
280.169

52, 82.563,
293.007

89, 16.117,
278.541

46, 94.617,
296.340

96, 6.065, 277.169

42, 106.314,
299.565

100, 0.012,
296.813

40, 110.581,
300.686

Harmonies

Complementary

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



70, 48.580, 284.569



90, 46.217, 90.500

Rectangle

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



70, 48.580, 284.569



70, 48.580, 334.569



70, 48.580, 104.569



70, 48.580, 154.569

Sweetspot

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



70, 47.861, 284.308



91, 13.945, 278.226



93, 40.888, 173.425



47, 9.651, 278.544



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, 47.861, 284.308



64, 57.776, 286.574



64, 65.977, 303.308



50, 5.635, 277.601



30, 87.587, 300.153



7, 35.101, 295.362

Inverse Universe

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



71, 47.916, 4.768



66, 57.119, 6.747



96, 59.084, 116.319



50, 5.567, 359.456



40, 72.093, 24.553



10, 31.634, 15.219

Previews

White Background



This preview shows how the CIE LCh color 70, 48.580, 284.569 looks on a white background.

Color Contrast Check

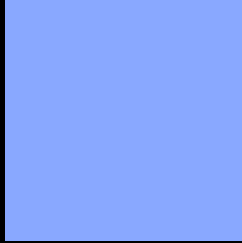
Large Text (above 18pt) WCAG AA × Fail

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 70, 48.580, 284.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

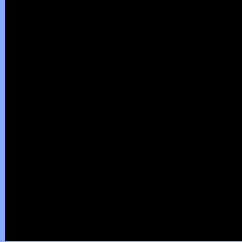
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 48.580, 284.569

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.580, 284.569.



This preview shows how white text looks on a background with the CIELCh color 70, 48.580, 284.569.

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

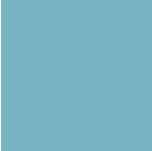
70, 48.005, 284.336

Protanopia

70, 47.337, 285.380

Deuteranopia

70, 47.149, 281.733



Tritanopia
70, 20.735, 221.564

Trichromacy



Original Color
70, 48.005, 284.336

Protanomaly
70, 47.370, 285.066

Deuteranomaly
70, 47.588, 282.891

Tritanomaly
70, 26.576, 256.998

Monochromacy



Original Color
70, 48.005, 284.336

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, 48.580, 284.569 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(137, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 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(137, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.580, 284.569 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(137, 168, 255) }
```

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

```
.border{ border-color:rgb(137, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.580, 284.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 255) }
```

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

```
.background{ background-color: rgb(137,  
168, 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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