

Converting Colors

CIELCh(70, 38.320, 277.698)

Have a look what the booklet for
CIELCh(70, 38.320, 277.698)
contains.

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Color

CIELCh(70, 38.727, 278.070)

Conversions

Conversions Part 1

Format	Color
Hex	87ABF0
RGB	135, 171, 240
RGB Percent	53%, 67%, 94%
CMY	0.4692, 0.3281, 0.0574
CMYK	0.44, 0.29, 0.00, 0.06
HSL	219°, 78%, 74%
HSV	219°, 44%, 94%
XYZ	40.4603, 40.7494, 88.4586
YIQ	168.1020, -43.6050, 13.8270

Conversions

Conversions Part 2

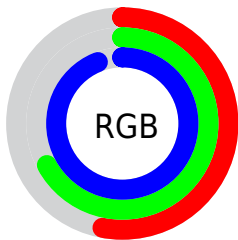
Format	Color
R _Y B	135, 162, 240
Decimal	8891376
CIE Lab	70.00, 5.44, -38.34
CIE LCh	70, 38.727, 278.070
Yxy	40.7494, 0.2385, 0.2402
Android (android.graphics.Color)	4287081456 (0xFF87ABF0)
YUV	168.1020, 35.4457, -29.0305
Hunter-Lab	63.8353, 1.4259, -37.4754

Details

The CIELCh color **70, 38.727, 278.070** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **84, 39.197, 84.566**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.402, 254.624**, and **50, 38.951, 278.368** is the 20% darker color. If you saturate the color by 10%, you get **64, 47.997, 280.692**, and if you desaturate by 10%, it is **76, 29.629, 275.818**.

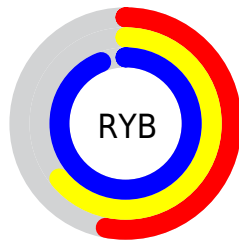
Distribution



Red (53%)

Green (67%)

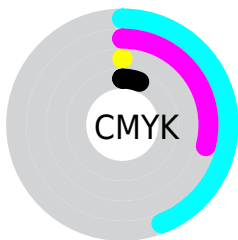
Blue (94%)



Red (53%)

Yellow (64%)

Blue (94%)

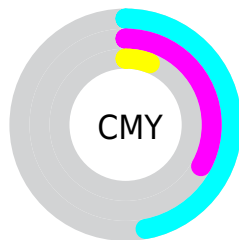


Cyan (44%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (47%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 38.727, 278.070 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, 38.727, 278.070 by changing the saturation by 10% instead.

■ 70, 38.727,
278.070

■ 70, 38.727,
278.070

■ 100, 38.727,
278.070

■ 60, 38.727,
278.070

■ 90, 38.727,
278.070

■ 50, 38.727,
278.070

■ 40, 38.727,
278.070

■ 30, 38.727,
278.070

■ 20, 38.727,
278.070

■ 10, 38.727,
278.070

■ 0, 38.727, 278.070

70, 38.727,
278.070

70, 38.727,
278.070

64, 47.997,
280.692

76, 29.629,
275.818

59, 57.483,
283.703

81, 20.680,
273.898

54, 67.227,
287.078

87, 11.865,
272.266

49, 77.233,
290.721

93, 3.178, 270.926

44, 87.393,
294.451

98, 5.315, 91.571

42, 93.772,
296.688

100, 7.405,
109.613

Harmonies

Complementary

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



70, 38.727, 278.070



84, 39.197, 84.566

Rectangle

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



70, 38.727, 278.070



70, 38.727, 328.070



70, 38.727, 98.070



70, 38.727, 148.070

Sweetspot

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



70, 38.726, 278.070



92, 11.818, 272.170



88, 39.754, 167.929



48, 8.282, 272.504



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, 38.726, 278.070



69, 48.705, 280.268



62, 59.141, 300.545



47, 4.901, 271.658



32, 75.258, 296.054



7, 27.816, 289.455

Inverse Universe

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



69, 44.149, 358.464



68, 54.946, 0.094



92, 52.945, 112.813



47, 5.506, 353.911



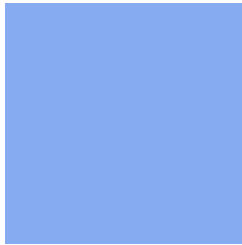
39, 67.287, 17.140



8, 28.757, 7.572

Previews

White Background



This preview shows how the CIELCh color 70, 38.727, 278.070 looks on a white background.

Color Contrast Check

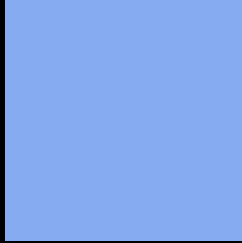
Large Text (above 18pt) WCAG AA × Fail

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, 38.727, 278.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

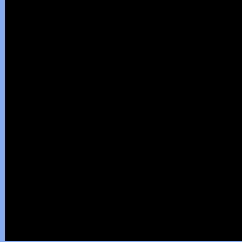
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

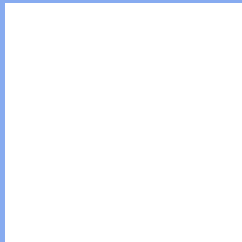
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 38.727, 278.070

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.727, 278.070.



This preview shows how white text looks on a background with the CIELCh color 70, 38.727, 278.070.

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, 38.727, 278.070

Protanopia

70, 38.556, 285.316

Deuteranopia

70, 39.767, 283.638



Tritanopia
70, 19.972, 222.570

Trichromacy



Original Color
70, 38.727, 278.070

Protanomaly
70, 38.751, 282.780

Deuteranomaly
70, 39.423, 281.389

Tritanomaly
70, 23.766, 250.646

Monochromacy



Original Color
70, 38.727, 278.070

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 14.334, 273.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.727, 278.070 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(135, 171, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 240)  
}
```

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(135, 171, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.727, 278.070 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(135, 171, 240) }
```

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

```
.border{ border-color:rgb(135, 171, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.727, 278.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 240) }
```

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

```
.background{ background-color: rgb(135,  
171, 240) }
```

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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