

Converting Colors

CIELCh(70, 37.705, 273.955)

Have a look what the booklet for
CIELCh(70, 37.705, 273.955)
contains.

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Color

CIELCh(70, 37.673, 273.907)

Conversions

Conversions Part 1

Format	Color
Hex	81ADEF
RGB	129, 173, 239
RGB Percent	51%, 68%, 94%
CMY	0.4944, 0.3218, 0.0630
CMYK	0.46, 0.28, 0.00, 0.06
HSL	216°, 77%, 72%
HSV	216°, 46%, 94%
XYZ	39.5413, 40.7494, 87.3850
YIQ	167.3680, -47.4100, 11.1980

Conversions

Conversions Part 2

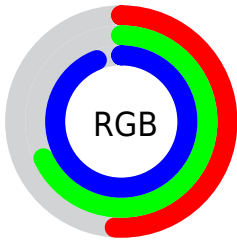
Format	Color
R _Y B	129, 160, 239
Decimal	8498671
CIE Lab	70.00, 2.57, -37.59
CIE LCh	70, 37.673, 273.907
Yxy	40.7494, 0.2358, 0.2430
Android (android.graphics.Color)	4286688751 (0xFF81ADEF)
YUV	167.3680, 35.3146, -33.6487
Hunter-Lab	63.8353, -1.1440, -36.4783

Details

The CIELCh color `70, 37.673, 273.907` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `81, 39.678, 79.216`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `89, 19.139, 246.455`, and `50, 37.786, 274.069` is the 20% darker color. If you saturate the color by 10%, you get `65, 46.012, 276.719`, and if you desaturate by 10%, it is `75, 29.403, 271.499`.

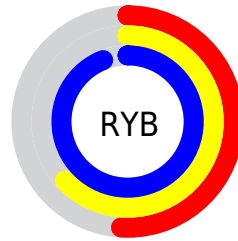
Distribution



Red (51%)

Green (68%)

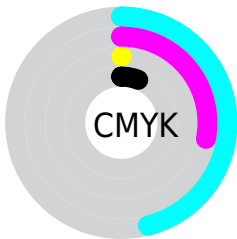
Blue (94%)



Red (51%)

Yellow (63%)

Blue (94%)

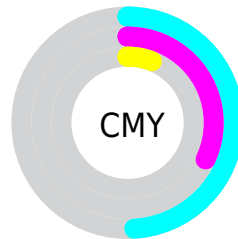


Cyan (46%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (49%)


Magenta (32%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.673, 273.907 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, 37.673, 273.907 by changing the saturation by 10% instead.


 70, 37.673,
273.907


 70, 37.673,
273.907


 100, 37.673,
273.907


 60, 37.673,
273.907


 90, 37.673,
273.907

 50, 37.673,
273.907

 40, 37.673,
273.907

 30, 37.673,
273.907

 20, 37.673,
273.907

 10, 37.673,
273.907

 0, 37.673, 273.907

70, 37.673,
273.907

70, 37.673,
273.907

65, 46.012,
276.719

75, 29.403,
271.499

60, 54.465,
279.956

81, 21.184,
269.451

55, 63.092,
283.590

86, 13.010,
267.717

51, 71.942,
287.523

91, 4.886, 266.273

47, 81.001,
291.565

97, 3.178, 84.828

45, 84.635,
293.088

100, 8.136,
109.559

Harmonies

Complementary

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



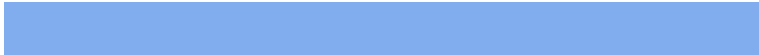
70, 37.673, 273.907



81, 39.678, 79.216

Rectangle

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



70, 37.673, 273.907



70, 37.673, 323.907



70, 37.673, 93.907



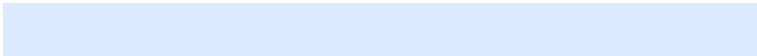
70, 37.673, 143.907

Sweetspot

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



70, 37.672, 273.907



92, 11.966, 267.406



87, 43.857, 163.471



48, 8.266, 267.745



0, 0.000, 0.000



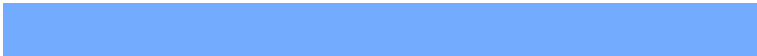
53, 0.007, 296.813

Same Dimension

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



70, 37.672, 273.907



69, 47.593, 276.465



59, 62.244, 298.994



47, 4.613, 266.733



35, 68.244, 292.396



8, 25.451, 285.639

Inverse Universe

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



67, 47.287, 354.908



67, 58.948, 356.618



92, 55.042, 109.624



47, 5.691, 350.227



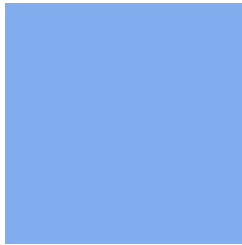
39, 66.261, 11.641



8, 28.840, 3.457

Previews

White Background



This preview shows how the CIELCh color 70, 37.673, 273.907 looks on a white background.

Color Contrast Check

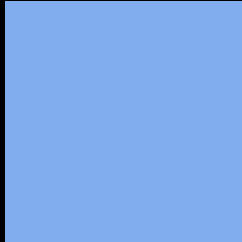
Large Text (above 18pt) WCAG AA × Fail

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, 37.673, 273.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

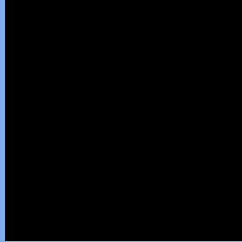
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

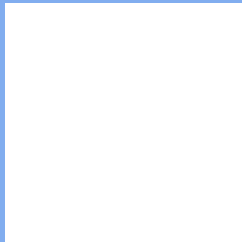
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 37.673, 273.907

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.673, 273.907.



This preview shows how white text looks on a background with the CIELCh color 70, 37.673, 273.907.

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, 37.673, 273.907

Protanopia

70, 36.918, 285.165

Deuteranopia

70, 39.197, 283.823



Tritanopia
70, 21.982, 220.055

Trichromacy



Original Color
70, 37.673, 273.907

Protanomaly
70, 36.754, 280.460

Deuteranomaly
70, 38.949, 280.734

Tritanomaly
70, 24.961, 247.141

Monochromacy



Original Color
70, 37.673, 273.907

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 14.155, 268.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.673, 273.907 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(129, 173, 239)` looks like.

```
.text, #text, p{  
    color:rgb(129, 173, 239)  
}
```

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(129, 173, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 173, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.673, 273.907 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(129, 173, 239) }
```

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

```
.border{ border-color:rgb(129, 173, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 173, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 173, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 173, 239);  
box-shadow:4px 4px 4px 4px rgb(129, 173,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.673, 273.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 173, 239) }
```

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

```
.background{ background-color: rgb(129,  
173, 239) }
```

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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