

Converting Colors

CIELCh(70, 37.103, 278.501)

Have a look what the booklet for
CIELCh(70, 37.103, 278.501)
contains.

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Color

CIELCh(70, 37.002, 278.320)

Conversions

Conversions Part 1

Format	Color
Hex	8AABED
RGB	138, 171, 237
RGB Percent	54%, 67%, 93%
CMY	0.4580, 0.3286, 0.0697
CMYK	0.42, 0.28, 0.00, 0.07
HSL	220°, 74%, 74%
HSV	220°, 42%, 93%
XYZ	40.4338, 40.7494, 86.0200
YIQ	168.6570, -40.8540, 13.5300

Conversions

Conversions Part 2

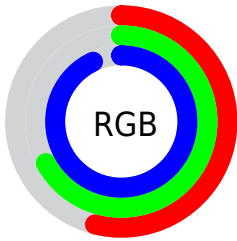
Format	Color
RYB	138, 163, 237
Decimal	9087981
CIELab	70.00, 5.35, -36.61
CIElCh	70, 37.002, 278.320
Yxy	40.7494, 0.2418, 0.2437
Android (android.graphics.Color)	4287278061 (0xFF8AABED)
YUV	168.6570, 33.6931, -26.8862
Hunter-Lab	63.8353, 1.3516, -35.2104

Details

The CIELCh color `70, 37.002, 278.320` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `84, 37.253, 85.629`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 17.893, 257.084`, and `50, 37.110, 278.623` is the 20% darker color. If you saturate the color by 10%, you get `64, 46.284, 280.848`, and if you desaturate by 10%, it is `76, 27.900, 276.151`.

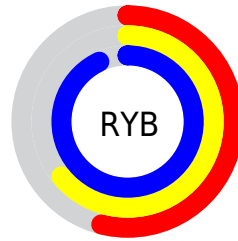
Distribution



Red (54%)

Green (67%)

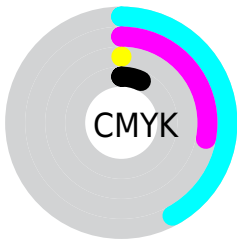
Blue (93%)



Red (54%)

Yellow (64%)

Blue (93%)

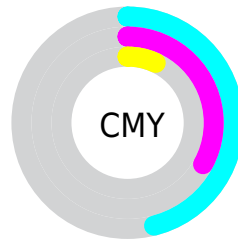


Cyan (42%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (46%)


Magenta (33%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.002, 278.320 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, 37.002, 278.320 by changing the saturation by 10% instead.


 70, 37.002,
278.320


 70, 37.002,
278.320


 100, 37.002,
278.320


 60, 37.002,
278.320


 90, 37.002,
278.320

 50, 37.002,
278.320

 40, 37.002,
278.320

 30, 37.002,
278.320

 20, 37.002,
278.320

 10, 37.002,
278.320

 0, 37.002, 278.320

70, 37.002,
278.320

70, 37.002,
278.320

64, 46.284,
280.848

76, 27.900,
276.151

59, 55.789,
283.759

81, 18.957,
274.301

54, 65.555,
287.037

87, 10.158,
272.730

49, 75.592,
290.599

93, 1.499, 271.529

98, 6.834, 95.341

44, 85.798,
294.278

100, 9.002,
109.495

41, 94.173,
297.185

Harmonies

Complementary

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



70, 37.002, 278.320



84, 37.253, 85.629

Rectangle

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



70, 37.002, 278.320



70, 37.002, 328.320



70, 37.002, 98.320



70, 37.002, 148.320

Sweetspot

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



70, 37.001, 278.320



92, 11.943, 272.922



87, 37.241, 169.290



48, 8.371, 273.255



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, 37.001, 278.320



70, 47.363, 280.434



63, 55.720, 300.781



47, 4.952, 272.412



31, 76.404, 296.590



7, 28.183, 289.964

Inverse Universe

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



69, 41.581, 358.786



69, 52.769, 0.363



91, 50.260, 113.687



47, 5.478, 354.540



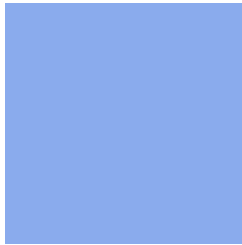
39, 67.524, 18.026



8, 28.756, 8.200

Previews

White Background



This preview shows how the CIE LCh color 70, 37.002, 278.320 looks on a white background.

Color Contrast Check

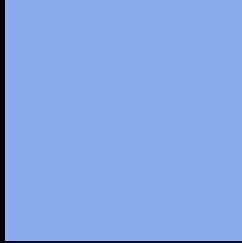
Large Text (above 18pt) WCAG AA × Fail

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, 37.002, 278.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

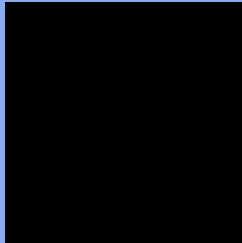
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

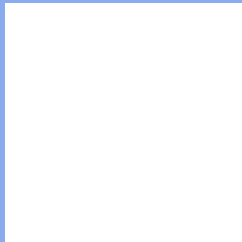
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 37.002, 278.320

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.002, 278.320.



This preview shows how white text looks on a background with the CIELCh color 70, 37.002, 278.320.

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

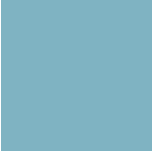
70, 37.002, 278.320

Protanopia

70, 36.885, 285.617

Deuteranopia

70, 38.056, 284.230



Tritanopia
70, 18.688, 224.482

Trichromacy



Original Color
70, 37.002, 278.320

Protanomaly
70, 37.076, 282.916

Deuteranomaly
70, 37.703, 281.843

Tritanomaly
70, 22.943, 253.466

Monochromacy



Original Color
70, 37.002, 278.320

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.707, 273.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.002, 278.320 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(138, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(138, 171, 237)  
}
```

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(138, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 171, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.002, 278.320 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(138, 171, 237) }
```

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

```
.border{ border-color:rgb(138, 171, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 171, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 171, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 171, 237); box-shadow:4px 4px 4px 4px rgb(138, 171, 237) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.002, 278.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 171, 237) }
```

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

```
.background{ background-color: rgb(138,  
171, 237) }
```

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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