

Converting Colors

CIELCh(70, 35.537, 273.167)

Have a look what the booklet for
CIELCh(70, 35.537, 273.167)
contains.

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Color

CIELCh(70, 35.532, 273.099)

Conversions

Conversions Part 1

Format	Color
Hex	83ADEB
RGB	131, 173, 235
RGB Percent	51%, 68%, 92%
CMY	0.4860, 0.3213, 0.0781
CMYK	0.44, 0.26, 0.00, 0.08
HSL	216°, 72%, 72%
HSV	216°, 44%, 92%
XYZ	39.3363, 40.7494, 84.4489
YIQ	167.5100, -44.9340, 10.3780

Conversions

Conversions Part 2

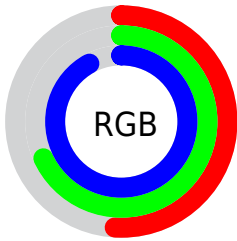
Format	Color
RYB	131, 161, 235
Decimal	8629739
CIELab	70.00, 1.92, -35.48
CIELCh	70, 35.532, 273.099
Yxy	40.7494, 0.2391, 0.2477
Android (android.graphics.Color)	4286819819 (0xFF83ADEB)
YUV	167.5100, 33.2726, -32.0193
Hunter-Lab	63.8353, -1.7171, -33.7512

Details

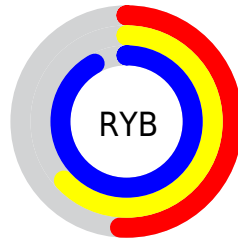
The CIELCh color `70, 35.532, 273.099` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `80, 37.459, 79.135`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 18.738, 247.828`, and `50, 35.511, 273.152` is the 20% darker color. If you saturate the color by 10%, you get `65, 43.689, 275.837`, and if you desaturate by 10%, it is `75, 27.430, 270.758`.

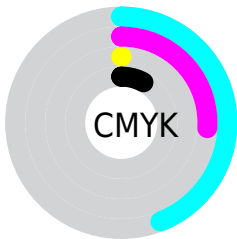
Distribution



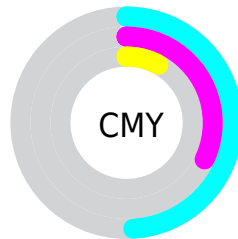
- Red (51%)
- Green (68%)
- Blue (92%)



- Red (51%)
- Yellow (63%)
- Blue (92%)



- Cyan (44%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (32%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 35.532, 273.099 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, 35.532, 273.099 by changing the saturation by 10% instead.

■ 70, 35.532,
273.099

■ 70, 35.532,
273.099

■ 100, 35.532,
273.099

■ 60, 35.532,
273.099

■ 90, 35.532,
273.099

■ 50, 35.532,
273.099

■ 40, 35.532,
273.099

■ 30, 35.532,
273.099

■ 20, 35.532,
273.099

■ 10, 35.532,
273.099

■ 0, 35.532, 273.099

70, 35.532,
273.099

70, 35.532,
273.099

65, 43.689,
275.837

75, 27.430,
270.758

60, 51.941,
279.001

80, 19.370,
268.771

55, 60.346,
282.574

86, 11.349,
267.089

51, 68.960,
286.474

91, 3.374, 265.713

96, 4.544, 84.305

47, 77.793,
290.532

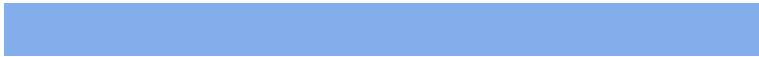
100, 10.084,
109.414

44, 82.959,
292.788

Harmonies

Complementary

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



70, 35.532, 273.099



80, 37.459, 79.135

Rectangle

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



70, 35.532, 273.099



70, 35.532, 323.099



70, 35.532, 93.099



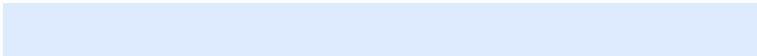
70, 35.532, 143.099

Sweetspot

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



70, 35.531, 273.099



93, 11.064, 266.909



86, 41.751, 163.719



48, 7.747, 267.250



0, 0.000, 0.000



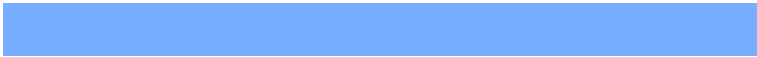
53, 0.007, 296.813

Same Dimension

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



70, 35.531, 273.099



71, 45.586, 275.543



60, 58.816, 298.699



46, 4.515, 266.386



34, 67.012, 292.087



7, 24.275, 284.750

Inverse Universe

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



67, 44.959, 354.348



68, 57.062, 355.952



90, 52.341, 109.766



46, 5.604, 349.991



38, 65.528, 11.217



7, 27.974, 2.586

Previews

White Background



This preview shows how the CIELCh color 70, 35.532, 273.099 looks on a white background.

Color Contrast Check

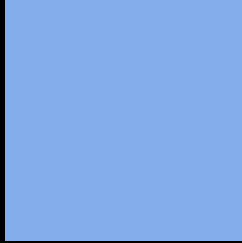
Large Text (above 18pt) WCAG AA × Fail

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, 35.532, 273.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

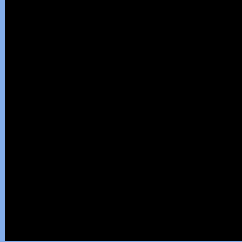
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

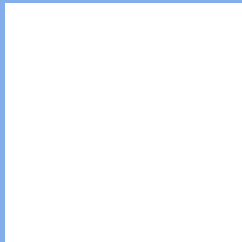
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 35.532, 273.099

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.532, 273.099.



This preview shows how white text looks on a background with the CIELCh color 70, 35.532, 273.099.

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





Tritanopia
70, 20.853, 219.730

Trichromacy



Original Color
70, 35.532, 273.099

Protanomaly
70, 34.553, 280.205

Deuteranomaly
70, 36.754, 280.460

Tritanomaly
70, 23.731, 246.488

Monochromacy



Original Color
70, 35.532, 273.099

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.024, 267.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.532, 273.099 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(131, 173, 235)` looks like.

```
.text, #text, p{  
    color:rgb(131, 173, 235)  
}
```

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(131, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 173, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.532, 273.099 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(131, 173, 235) }
```

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

```
.border{ border-color:rgb(131, 173, 235) }
```

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

Here you see how a box with a 4 pixel rgb(131, 173, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(131, 173,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.532, 273.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 173, 235) }
```

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

```
.background{ background-color: rgb(131,  
173, 235) }
```

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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