

Converting Colors

CIELCh(70, 33.007, 286.799)

Have a look what the booklet for
CIELCh(70, 33.007, 286.799)
contains.

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Color

CIELCh(70, 32.972, 286.775)

Conversions

Conversions Part 1

Format	Color
Hex	9CA8E4
RGB	156, 168, 228
RGB Percent	61%, 66%, 89%
CMY	0.3877, 0.3406, 0.1053
CMYK	0.32, 0.26, 0.00, 0.11
HSL	230°, 57%, 75%
HSV	230°, 32%, 89%
XYZ	41.7912, 40.7494, 79.1705
YIQ	171.2520, -26.4120, 16.1160

Conversions

Conversions Part 2

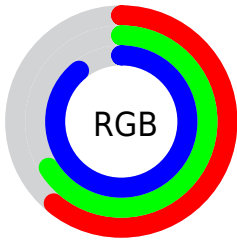
Format	Color
RYB	156, 166, 228
Decimal	10266852
CIELab	70.00, 9.52, -31.57
CIElCh	70, 32.972, 286.775
Yxy	40.7494, 0.2584, 0.2520
Android (android.graphics.Color)	4288456932 (0xFF9CA8E4)
YUV	171.2520, 27.9768, -13.3760
Hunter-Lab	63.8353, 5.1473, -28.8486

Details

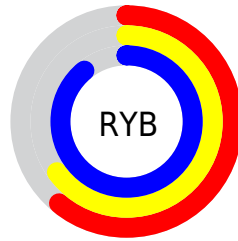
The CIELCh color $70, 32.972, 286.775$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $86, 31.489, 98.740$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 16.986, 279.105$, and $50, 32.899, 286.582$ is the 20% darker color. If you saturate the color by 10%, you get $63, 44.182, 288.701$, and if you desaturate by 10%, it is $77, 22.152, 285.127$.

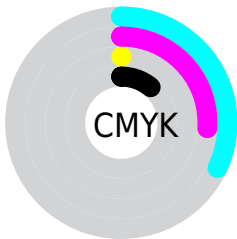
Distribution



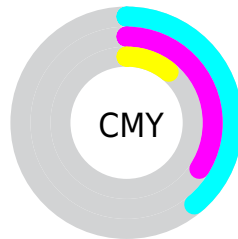
- Red (61%)
- Green (66%)
- Blue (89%)



- Red (61%)
- Yellow (65%)
- Blue (89%)



- Cyan (32%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)





- Cyan (39%)
- Magenta (34%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.972, 286.775 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, 32.972, 286.775 by changing the saturation by 10% instead.


 70, 32.972,
286.775


 70, 32.972,
286.775


 100, 32.972,
286.775


 60, 32.972,
286.775


 90, 32.972,
286.775

 50, 32.972,
286.775

 40, 32.972,
286.775

 30, 32.972,
286.775

 20, 32.972,
286.775

 10, 32.972,
286.775

 0, 32.972, 286.775

■ 70, 32.972,
286.775

■ 70, 32.972,
286.775

■ 63, 44.182,
288.701

■ 77, 22.152,
285.127

■ 57, 55.817,
290.932

■ 83, 11.692,
283.724

■ 51, 67.873,
293.464

■ 90, 1.562, 282.606

■ 45, 80.252,
296.239

■ 96, 8.260, 101.456

■ 39, 92.611,
299.110

■ 99, 13.587,
109.151

■ 35, 104.176,
301.830

■ 32, 112.439,
303.747

Harmonies

Complementary

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



70, 32.972, 286.775



86, 31.489, 98.740

Rectangle

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



70, 32.972, 286.775



70, 32.972, 336.775



70, 32.972, 106.775



70, 32.972, 156.775

Sweetspot

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



70, 32.971, 286.775



94, 9.925, 283.409



86, 24.936, 182.996



49, 6.912, 283.592



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, 32.971, 286.775



73, 43.953, 288.027



69, 40.542, 305.091



45, 5.754, 283.459



24, 92.444, 303.387



4, 29.813, 293.248

Inverse Universe

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



72, 28.874, 9.373



75, 38.591, 10.455



87, 38.135, 121.298



45, 4.925, 6.628



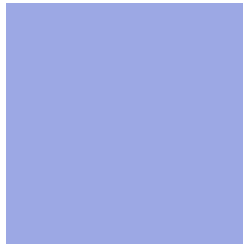
37, 72.597, 31.705



7, 26.703, 14.821

Previews

White Background



This preview shows how the CIELCh color 70, 32.972, 286.775 looks on a white background.

Color Contrast Check

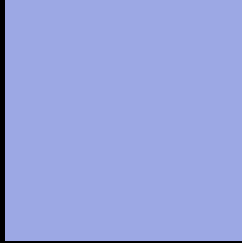
Large Text (above 18pt) WCAG AA × Fail

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, 32.972, 286.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

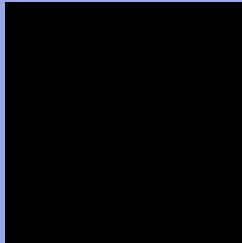
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 32.972, 286.775

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.972, 286.775.



This preview shows how white text looks on a background with the CIELCh color 70, 32.972, 286.775.

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, 32.972, 286.775

Protanopia

70, 33.031, 285.171

Deuteranopia

70, 32.972, 286.775



Tritanopia
70, 11.931, 239.019

Trichromacy



Original Color
70, 32.972, 286.775

Protanomaly
70, 32.997, 285.695

Deuteranomaly
70, 32.972, 286.775

Tritanomaly
70, 17.786, 267.189

Monochromacy



Original Color
70, 32.972, 286.775

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.111, 284.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.972, 286.775 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(156, 168, 228)` looks like.

```
.text, #text, p{  
    color:rgb(156, 168, 228)  
}
```

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(156, 168, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 168, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.972, 286.775 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(156, 168, 228) }
```

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

```
.border{ border-color:rgb(156, 168, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 168, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 168, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 168, 228);  
box-shadow:4px 4px 4px 4px rgb(156, 168,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.972, 286.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 168, 228) }
```

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

```
.background{ background-color: rgb(156,  
168, 228) }
```

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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