

Converting Colors

CIELCh(70, 22.801, 280.637)

Have a look what the booklet for
CIELCh(70, 22.801, 280.637)
contains.

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Color

CIELCh(70, 22.801, 280.637)

Conversions

Conversions Part 1

Format	Color
Hex	9CAAD3
RGB	156, 170, 211
RGB Percent	61%, 67%, 83%
CMY	0.3865, 0.3316, 0.1708
CMYK	0.26, 0.19, 0.00, 0.17
HSL	225°, 39%, 72%
HSV	225°, 26%, 83%
XYZ	40.0654, 40.7494, 67.6794
YIQ	170.4880, -21.5050, 9.7830

Conversions

Conversions Part 2

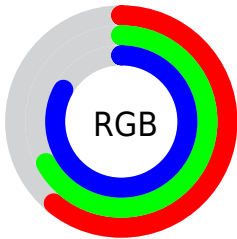
Format	Color
RYB	156, 167, 211
Decimal	10267347
CIELab	70.00, 4.21, -22.41
CIELCh	70, 22.801, 280.637
Yxy	40.7494, 0.2698, 0.2744
Android (android.graphics.Color)	4288457427 (0xFF9CAAD3)
YUV	170.4880, 19.9724, -12.7060
Hunter-Lab	63.8353, 0.3215, -18.1757

Details

The CIELCh color `70, 22.801, 280.637` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80, 22.421, 93.766`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 16.179, 274.739`, and `50, 22.577, 280.868` is the 20% darker color. If you saturate the color by 10%, you get `64, 31.974, 282.501`, and if you desaturate by 10%, it is `76, 13.865, 279.043`.

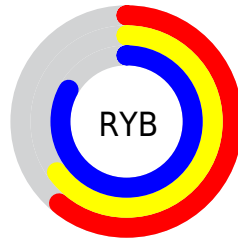
Distribution



Red (61%)

Green (67%)

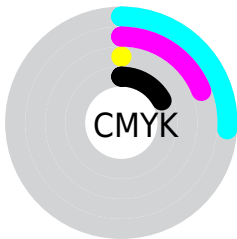
Blue (83%)



Red (61%)

Yellow (65%)

Blue (83%)

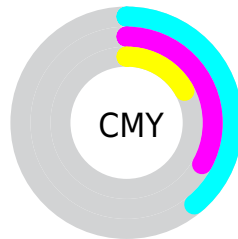


Cyan (26%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (39%)


Magenta (33%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 22.801, 280.637 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, 22.801, 280.637 by changing the saturation by 10% instead.


 70, 22.801,
280.637


 70, 22.801,
280.637


 100, 22.801,
280.637


 60, 22.801,
280.637


 90, 22.801,
280.637

 50, 22.801,
280.637

 40, 22.801,
280.637

 30, 22.801,
280.637

 20, 22.801,
280.637

 10, 22.801,
280.637

 0, 22.801, 280.637

70, 22.801,
280.637

70, 22.801,
280.637

64, 31.974,
282.501

76, 13.865,
279.043

59, 41.414,
284.676

81, 5.152, 277.698

87, 3.353, 96.423

53, 51.152,
287.187

93, 11.660, 95.448

48, 61.209,
290.032

98, 19.299,
102.341

43, 71.557,
293.153

99, 21.999,
108.511

38, 82.031,
296.409

34, 92.206,
299.573

33, 96.045,

Harmonies

Complementary

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



70, 22.801, 280.637



80, 22.421, 93.766

Rectangle

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



70, 22.801, 280.637



70, 22.801, 330.637



70, 22.801, 100.637



70, 22.801, 150.637

Sweetspot

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



70, 22.800, 280.635



95, 7.989, 277.954



81, 20.804, 175.816



50, 5.687, 278.151



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, 22.800, 280.635



80, 31.839, 281.590



67, 30.827, 301.237



41, 4.830, 278.124



25, 79.799, 300.209



3, 21.139, 286.247

Inverse Universe

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



70, 22.578, 1.998



80, 31.606, 2.744



83, 29.166, 117.591



41, 4.710, 0.025



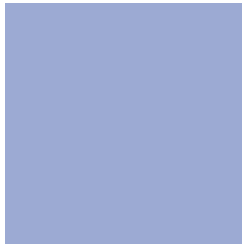
35, 65.618, 24.664



4, 20.346, 7.742

Previews

White Background



This preview shows how the CIELCh color 70, 22.801, 280.637 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, 22.801, 280.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

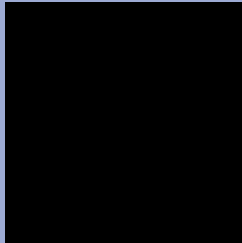
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

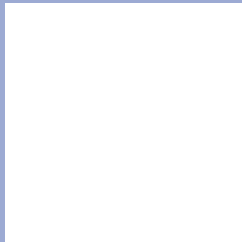
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 22.801, 280.637

Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.801, 280.637.



This preview shows how white text looks on a background with the CIELCh color 70, 22.801, 280.637.

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, 22.801, 280.637

Protanopia

70, 23.103, 285.792

Deuteranopia

70, 24.687, 291.822



Tritanopia
70, 10.719, 244.851

Trichromacy



Original Color
70, 22.801, 280.637

Protanomaly
70, 22.651, 283.064

Deuteranomaly
70, 24.145, 288.578

Tritanomaly
70, 14.492, 264.678

Monochromacy



Original Color
70, 22.801, 280.637

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 8.376, 278.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 22.801, 280.637 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, 170, 211)` looks like.

```
.text, #text, p{  
    color:rgb(156, 170, 211)  
}
```

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, 170, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 170, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 22.801, 280.637 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, 170, 211) }
```

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

```
.border{ border-color:rgb(156, 170, 211) }
```

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

Here you see how a box with a 4 pixel rgb(156, 170, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 170, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 170, 211);  
box-shadow:4px 4px 4px 4px rgb(156, 170,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 22.801, 280.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 170, 211) }
```

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

```
.background{ background-color: rgb(156,  
170, 211) }
```

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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