

Converting Colors

CIELCh(70, 35.910, 291.892)

Have a look what the booklet for
CIELCh(70, 35.910, 291.892)
contains.

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Color

CIELCh(70, 35.622, 291.591)

Conversions

Conversions Part 1

Format	Color
Hex	A2A6E7
RGB	162, 166, 231
RGB Percent	64%, 65%, 91%
CMY	0.3645, 0.3488, 0.0939
CMYK	0.30, 0.28, 0.00, 0.09
HSL	237°, 59%, 77%
HSV	237°, 30%, 91%
XYZ	42.9869, 40.7494, 81.2401
YIQ	172.2140, -23.2490, 19.3670

Conversions

Conversions Part 2

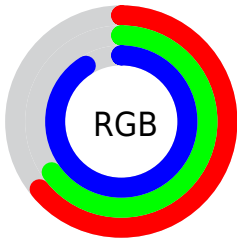
Format	Color
RYB	162, 166, 231
Decimal	10659559
CIELab	70.00, 13.11, -33.12
CIElCh	70, 35.622, 291.591
Yxy	40.7494, 0.2606, 0.2470
Android (android.graphics.Color)	4288849639 (0xFFA2A6E7)
YUV	172.2140, 28.9815, -8.9577
Hunter-Lab	63.8353, 8.4907, -30.7709

Details

The CIELCh color `70, 35.622, 291.591` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `89, 33.408, 104.692`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 17.744, 288.379`, and `50, 35.700, 291.582` is the 20% darker color. If you saturate the color by 10%, you get `63, 48.537, 293.341`, and if you desaturate by 10%, it is `77, 23.226, 290.096`.

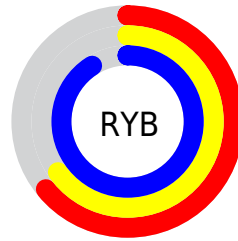
Distribution



Red (64%)

Green (65%)

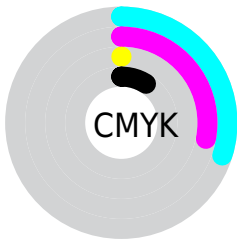
Blue (91%)



Red (64%)

Yellow (65%)

Blue (91%)

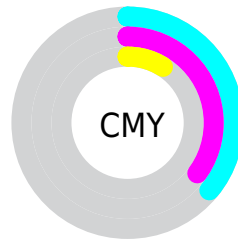


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (36%)


Magenta (35%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 35.622, 291.591 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, 35.622, 291.591 by changing the saturation by 10% instead.


 70, 35.622,
291.591


 70, 35.622,
291.591


 100, 35.622,
291.591


 60, 35.622,
291.591


 90, 35.622,
291.591

 50, 35.622,
291.591

 40, 35.622,
291.591

 30, 35.622,
291.591

 20, 35.622,
291.591

 10, 35.622,
291.591

 0, 35.622, 291.591

70, 35.622,
291.591

70, 35.622,
291.591

63, 48.537,
293.341

77, 23.226,
290.096

56, 61.982,
295.362

85, 11.317,
288.829

49, 75.875,
297.631

92, 0.143, 107.058

42, 89.905,
300.054

99, 11.189,
106.811

37, 103.274,
302.426

99, 12.120,
109.261

32, 114.480,
304.435

30, 121.721,
305.737

30, 121.788,

305.748

Harmonies

Complementary

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



70, 35.622, 291.591



89, 33.408, 104.692

Rectangle

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



70, 35.622, 291.591



70, 35.622, 341.591



70, 35.622, 111.591



70, 35.622, 161.591

Sweetspot

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



70, 35.621, 291.591



93, 11.170, 288.735



87, 22.882, 191.799



48, 7.782, 288.905



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, 35.621, 291.591



72, 47.122, 292.668



71, 39.125, 308.313



44, 6.476, 288.782



22, 99.738, 305.563



3, 32.320, 295.644

Inverse Universe

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



73, 27.378, 17.479



76, 36.471, 18.403



88, 37.273, 125.239



45, 4.824, 15.247



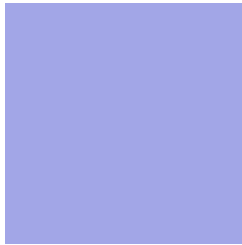
37, 77.553, 37.640



6, 26.924, 19.367

Previews

White Background



This preview shows how the CIELCh color 70, 35.622, 291.591 looks on a white background.

Color Contrast Check

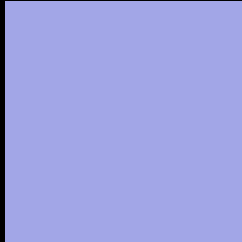
Large Text (above 18pt) WCAG AA × Fail

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, 35.622, 291.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

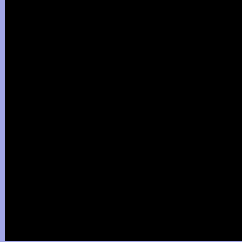
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 35.622, 291.591

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.622, 291.591.



This preview shows how white text looks on a background with the CIELCh color 70, 35.622, 291.591.

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, 35.622, 291.591

Protanopia

70, 35.242, 284.995

Deuteranopia

70, 34.645, 286.289



Tritanopia
70, 10.487, 246.185

Trichromacy



Original Color
70, 35.622, 291.591

Protanomaly
70, 35.129, 287.450

Deuteranomaly
70, 35.121, 288.462

Tritanomaly
70, 18.629, 276.156

Monochromacy



Original Color
70, 35.622, 291.591

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.608, 288.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.622, 291.591 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(162, 166, 231)` looks like.

```
.text, #text, p{  
    color:rgb(162, 166, 231)  
}
```

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(162, 166, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 166, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.622, 291.591 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(162, 166, 231) }
```

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

```
.border{ border-color:rgb(162, 166, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 166, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 166, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 166, 231);  
box-shadow:4px 4px 4px 4px rgb(162, 166,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.622, 291.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 166, 231) }
```

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

```
.background{ background-color: rgb(162,  
166, 231) }
```

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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