

Converting Colors

CIELCh(70, 12.230, 291.773)

Have a look what the booklet for
CIELCh(70, 12.230, 291.773)
contains.

CIELCh(70, 12.613, 291.433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 12.613, 291.433)

Conversions

Conversions Part 1

Format	Color
Hex	A9A9C0
RGB	169, 169, 192
RGB Percent	66%, 66%, 75%
CMY	0.3363, 0.3363, 0.2460
CMYK	0.12, 0.12, 0.00, 0.25
HSL	240°, 15%, 71%
HSV	240°, 12%, 75%
XYZ	40.1938, 40.7494, 55.7655
YIQ	171.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

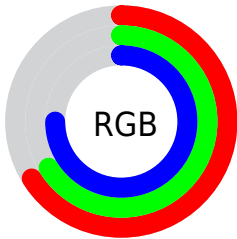
Format	Color
R _{YB}	169, 169, 192
Decimal	11119040
CIE _{Lab}	70.00, 4.61, -11.74
CIE _{LCh}	70, 12.613, 291.433
Y _{xy}	40.7494, 0.2940, 0.2981
Android (android.graphics.Color)	4289309120 (0xFFA9A9C0)
Y _{UV}	171.6220, 10.0464, -2.2995
Hunter-Lab	63.8353, 0.6806, -7.1101

Details

The CIELCh color $70, 12.613, 291.433$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $77, 12.273, 109.028$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 12.491, 291.191$, and $50, 12.892, 291.840$ is the 20% darker color. If you saturate the color by 10%, you get $63, 23.625, 292.677$, and if you desaturate by 10%, it is $77, 2.039, 290.394$.

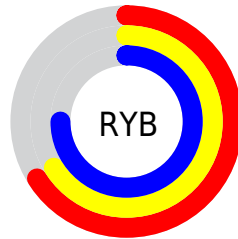
Distribution



Red (66%)

Green (66%)

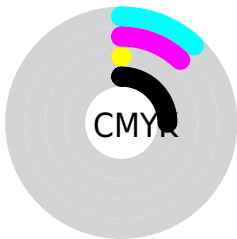
Blue (75%)



Red (66%)

Yellow (66%)

Blue (75%)

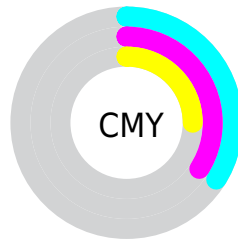


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (34%)


Magenta (34%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 12.613, 291.433 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, 12.613, 291.433 by changing the saturation by 10% instead.


 70, 12.613,
291.433


 70, 12.613,
291.433


 100, 12.613,
291.433


 60, 12.613,
291.433


 90, 12.613,
291.433

 50, 12.613,
291.433

 40, 12.613,
291.433

 30, 12.613,
291.433

 20, 12.613,
291.433

 10, 12.613,
291.433

 0, 12.613, 291.433

70, 12.613,
291.433

70, 12.613,
291.433

63, 23.625,
292.677

77, 2.039, 290.394

57, 35.113,
294.147

83, 8.127, 109.456

50, 47.094,
295.860

89, 17.916,
108.694

44, 59.536,
297.816

96, 27.356,
108.040

38, 72.266,
299.964

99, 31.589,
107.774

32, 84.777,
302.162

28, 95.969,
304.149

25, 104.128,

305.582

■ 23, 108.201,
306.286

Harmonies

Complementary

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



70, 12.613, 291.433



77, 12.273, 109.028

Rectangle

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



70, 12.613, 291.433



70, 12.613, 341.433



70, 12.613, 111.433



70, 12.613, 161.433

Sweetspot

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



70, 12.611, 291.429



95, 5.142, 290.587



76, 8.240, 197.386



50, 3.658, 290.662



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 12.611, 291.429



87, 18.339, 291.693



71, 13.270, 309.023



37, 5.984, 291.139



18, 94.720, 306.286



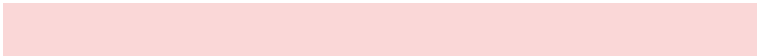
1, 19.478, 291.133

Inverse Universe

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



71, 8.871, 20.120



89, 12.957, 20.304



76, 13.044, 127.956



38, 4.187, 19.915



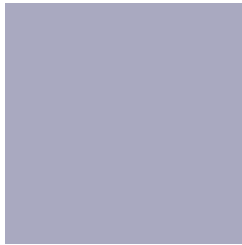
33, 73.725, 39.721



3, 13.999, 19.401

Previews

White Background



This preview shows how the CIELCh color 70, 12.613, 291.433 looks on a white background.

Color Contrast Check

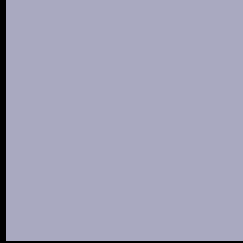
Large Text (above 18pt) WCAG AA × Fail

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, 12.613, 291.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

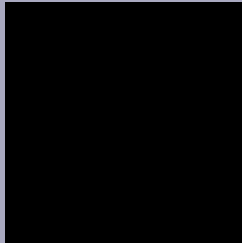
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 12.613, 291.433

Background



This preview shows how black text looks on a background with the CIELCh color 70, 12.613, 291.433.



This preview shows how white text looks on a background with the CIELCh color 70, 12.613, 291.433.

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, 12.613, 291.433

Protanopia

70, 12.608, 288.204

Deuteranopia

70, 14.763, 305.644



Tritanopia
70, 7.184, 282.175

Trichromacy



Original Color
70, 12.613, 291.433

Protanomaly
70, 12.608, 288.204

Deuteranomaly
70, 13.915, 300.399

Tritanomaly
70, 9.332, 286.684

Monochromacy



Original Color
70, 12.613, 291.433

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 4.384, 290.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 12.613, 291.433 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(169, 169, 192)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 192)  
}
```

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(169, 169, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 12.613, 291.433 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(169, 169, 192) }
```

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

```
.border{ border-color:rgb(169, 169, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 169, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 169, 192);  
box-shadow:4px 4px 4px 4px rgb(169, 169,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 12.613, 291.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 192) }
```

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

```
.background{ background-color: rgb(169,  
169, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor