

Converting Colors

CIELCh(70, 12.063, 293.069)

Have a look what the booklet for
CIELCh(70, 12.063, 293.069)
contains.

CIELCh(70, 12.076, 293.075)	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, 12.076, 293.075)

Conversions

Conversions Part 1

Format	Color
Hex	AAA9BF
RGB	170, 169, 191
RGB Percent	67%, 66%, 75%
CMY	0.3328, 0.3368, 0.2505
CMYK	0.11, 0.12, 0.00, 0.25
HSL	243°, 15%, 71%
HSV	243°, 12%, 75%
XYZ	40.2337, 40.7494, 55.1084
YIQ	171.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

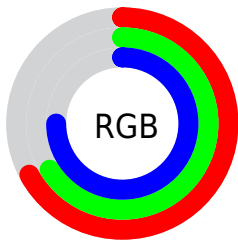
Format	Color
R _Y B	170, 169, 191
Decimal	11184575
CIE Lab	70.00, 4.73, -11.11
CIE LCh	70, 12.076, 293.075
Yxy	40.7494, 0.2956, 0.2994
Android (android.graphics.Color)	4289374655 (0xFFAAA9BF)
YUV	171.8070, 9.4621, -1.5847
Hunter-Lab	63.8353, 0.7921, -6.4999

Details

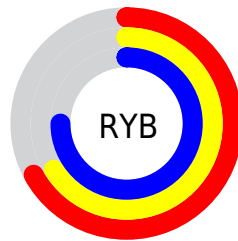
The CIELCh color $70, 12.076, 293.075$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $77, 11.762, 110.944$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 11.981, 292.788$, and $50, 12.319, 293.510$ is the 20% darker color. If you saturate the color by 10%, you get $64, 23.022, 294.208$, and if you desaturate by 10%, it is $76, 1.561, 292.127$.

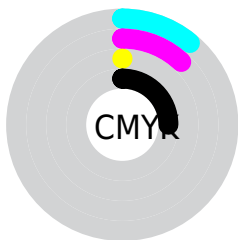
Distribution



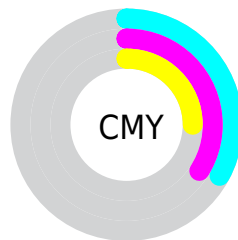
- Red (67%)
- Green (66%)
- Blue (75%)



- Red (67%)
- Yellow (66%)
- Blue (75%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)





- Cyan (33%)
- Magenta (34%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 12.076, 293.075 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, 12.076, 293.075 by changing the saturation by 10% instead.


 70, 12.076,
293.075


 70, 12.076,
293.075


 100, 12.076,
293.075


 60, 12.076,
293.075


 90, 12.076,
293.075

 50, 12.076,
293.075

 40, 12.076,
293.075

 30, 12.076,
293.075

 20, 12.076,
293.075

 10, 12.076,
293.075

 0, 12.076, 293.075

70, 12.076,
293.075

70, 12.076,
293.075

64, 23.022,
294.208

76, 1.561, 292.127

57, 34.434,
295.538

83, 8.548, 111.266

51, 46.321,
297.080

89, 18.282,
110.564

44, 58.646,
298.830

95, 27.669,
109.961

38, 71.234,
300.744

99, 32.150,
107.731

33, 83.610,
302.700

28, 94.764,
304.469

25, 103.095,

305.742

■ 23, 107.503,
306.415

Harmonies

Complementary

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



70, 12.076, 293.075



77, 11.762, 110.944

Rectangle

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



70, 12.076, 293.075



70, 12.076, 343.075



70, 12.076, 113.075



70, 12.076, 163.075

Sweetspot

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



70, 12.074, 293.071



95, 3.824, 292.251



76, 7.623, 201.861



51, 2.925, 292.323



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, 12.074, 293.071



86, 18.204, 293.361



71, 12.825, 310.716



36, 5.859, 292.849



18, 93.368, 306.449



1, 17.449, 291.904

Inverse Universe

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



72, 14.082, 326.299



89, 21.145, 326.453



76, 12.635, 129.737



37, 6.853, 326.174



37, 78.057, 330.099



3, 20.556, 327.066

Previews

White Background



This preview shows how the CIELCh color 70, 12.076, 293.075 looks on a white background.

Color Contrast Check

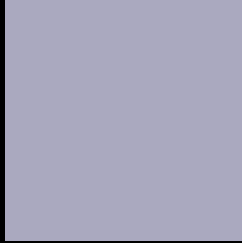
Large Text (above 18pt) WCAG AA × Fail

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, 12.076, 293.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

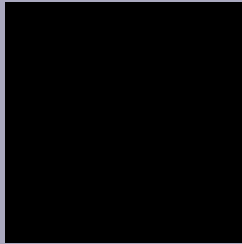
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 12.076, 293.075

Background



This preview shows how black text looks on a background with the CIELCh color 70, 12.076, 293.075.



This preview shows how white text looks on a background with the CIELCh color 70, 12.076, 293.075.

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, 12.076, 293.075

Protanopia

70, 12.062, 287.996

Deuteranopia

70, 14.974, 308.347



Tritanopia
70, 7.677, 288.237

Trichromacy



Original Color
70, 12.076, 293.075

Protanomaly
70, 12.052, 289.682

Deuteranomaly
70, 14.065, 303.307

Tritanomaly
70, 9.317, 288.891

Monochromacy



Original Color
70, 12.076, 293.075

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, 12.076, 293.075 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(170, 169, 191)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 191)  
}
```

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(170, 169, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 12.076, 293.075 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(170, 169, 191) }
```

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

```
.border{ border-color:rgb(170, 169, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 191);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 12.076, 293.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 191) }
```

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

```
.background{ background-color: rgb(170,  
169, 191) }
```

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