

Converting Colors

CIELCh(70, 9.981, 293.209)

Have a look what the booklet for
CIELCh(70, 9.981, 293.209) contains.

CIELCh(70, 10.434, 293.197)	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, 10.434, 293.197)

Conversions

Conversions Part 1

Format	Color
Hex	AAA9BC
RGB	170, 169, 188
RGB Percent	67%, 66%, 74%
CMY	0.3319, 0.3358, 0.2613
CMYK	0.10, 0.10, 0.00, 0.26
HSL	243°, 12%, 70%
HSV	243°, 10%, 74%
XYZ	40.0337, 40.7494, 53.5474
YIQ	171.4650, -5.5030, 6.1210

Conversions

Conversions Part 2

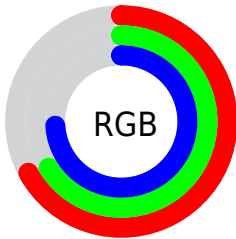
Format	Color
R _Y B	170, 169, 188
Decimal	11184572
CIE Lab	70.00, 4.11, -9.59
CIE LCh	70, 10.434, 293.197
Yxy	40.7494, 0.2980, 0.3034
Android (android.graphics.Color)	4289374652 (0xFFAAA9BC)
YUV	171.4650, 8.1518, -1.2848
Hunter-Lab	63.8353, 0.2329, -5.0500

Details

The CIELCh color $70, 10.434, 293.197$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $76, 10.193, 111.364$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 10.422, 292.921$, and $50, 10.565, 293.602$ is the 20% darker color. If you saturate the color by 10%, you get $64, 21.190, 294.287$, and if you desaturate by 10%, it is $76, 0.099, 292.681$.

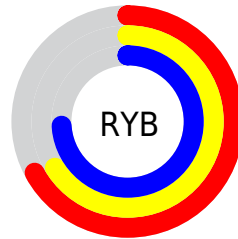
Distribution



Red (67%)

Green (66%)

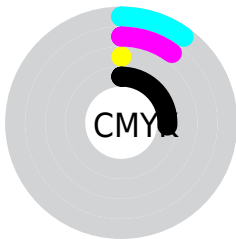
Blue (74%)



Red (67%)

Yellow (66%)

Blue (74%)

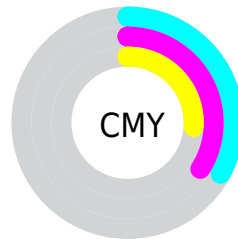


Cyan (10%)

Magenta (10%)

Yellow (0%)

Black (26%)



Cyan (33%)


Magenta (34%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 10.434, 293.197 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, 10.434, 293.197 by changing the saturation by 10% instead.


 70, 10.434,
293.197


 70, 10.434,
293.197


 100, 10.434,
293.197


 60, 10.434,
293.197


 90, 10.434,
293.197

 50, 10.434,
293.197

 40, 10.434,
293.197

 30, 10.434,
293.197

 20, 10.434,
293.197

 10, 10.434,
293.197

 0, 10.434, 293.197

70, 10.434,
293.197

70, 10.434,
293.197

64, 21.190,
294.287

76, 0.099, 292.681

57, 32.401,
295.568

83, 9.840, 111.452

51, 44.080,
297.053

89, 19.413,
110.774

45, 56.197,
298.744

95, 28.646,
110.191

39, 68.607,
300.604

99, 33.512,
107.626

33, 80.900,
302.527

28, 92.176,
304.304

25, 100.937,

305.637

■ 23, 106.311,
306.438

Harmonies

Complementary

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



70, 10.434, 293.197



76, 10.193, 111.364

Rectangle

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



70, 10.434, 293.197



70, 10.434, 343.197



70, 10.434, 113.197



70, 10.434, 163.197

Sweetspot

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



70, 10.432, 293.192



94, 3.792, 292.529



75, 6.522, 203.499



50, 2.877, 292.599



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 10.432, 293.192



87, 15.414, 293.408



71, 11.128, 311.215



36, 5.860, 293.119



18, 93.330, 306.474



1, 17.452, 292.104

Inverse Universe

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



71, 12.129, 326.420



89, 17.868, 326.542



75, 10.986, 130.378



37, 6.820, 326.378



37, 77.624, 330.411



3, 20.411, 327.338

Previews

White Background



This preview shows how the CIELCh color 70, 10.434, 293.197 looks on a white background.

Color Contrast Check

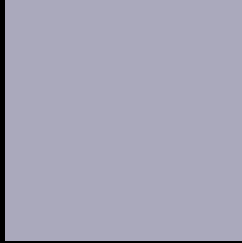
Large Text (above 18pt) WCAG AA × Fail

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, 10.434, 293.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

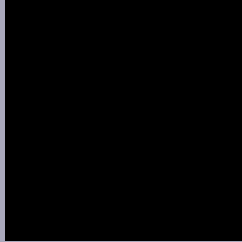
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

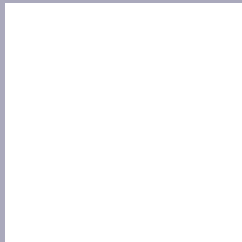
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 10.434, 293.197

Background



This preview shows how black text looks on a background with the CIELCh color 70, 10.434, 293.197.



This preview shows how white text looks on a background with the CIELCh color 70, 10.434, 293.197.

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, 10.434, 293.197

Protanopia

70, 10.411, 289.241

Deuteranopia

70, 13.539, 311.823



Tritanopia
70, 7.674, 290.949

Trichromacy



Original Color
70, 10.434, 293.197

Protanomaly
70, 10.411, 289.241

Deuteranomaly
70, 12.554, 306.408

Tritanomaly
70, 8.769, 291.055

Monochromacy



Original Color
70, 10.434, 293.197

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 3.837, 290.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 10.434, 293.197 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 10.434, 293.197 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, 188) }
```

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

```
.border{ border-color:rgb(170, 169, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 188);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 10.434, 293.197 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, 188) }
```

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

```
.background{ background-color: rgb(170,  
169, 188) }
```

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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