

Converting Colors

CIELCh(70, 12.734, 274.755)

Have a look what the booklet for
CIELCh(70, 12.734, 274.755)
contains.

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Color

CIELCh(70, 12.993, 275.791)

Conversions

Conversions Part 1

Format	Color
Hex	A1ABC2
RGB	161, 171, 194
RGB Percent	63%, 67%, 76%
CMY	0.3675, 0.3283, 0.2381
CMYK	0.17, 0.12, 0.00, 0.24
HSL	222°, 21%, 70%
HSV	222°, 17%, 76%
XYZ	39.1435, 40.7494, 57.0146
YIQ	170.6320, -13.3430, 5.0330

Conversions

Conversions Part 2

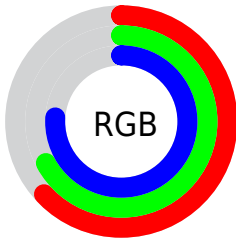
Format	Color
R _Y B	161, 169, 194
Decimal	10595266
CIE Lab	70.00, 1.31, -12.93
CIE LCh	70, 12.993, 275.791
Yxy	40.7494, 0.2859, 0.2976
Android (android.graphics.Color)	4288785346 (0xFFA1ABC2)
YUV	170.6320, 11.5204, -8.4473
Hunter-Lab	63.8353, -2.2564, -8.2703

Details

The CIELCh color $70, 12.993, 275.791$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $75, 12.960, 91.367$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 13.355, 276.619$, and $50, 12.722, 275.054$ is the 20% darker color. If you saturate the color by 10%, you get $65, 20.838, 277.443$, and if you desaturate by 10%, it is $75, 5.298, 274.385$.

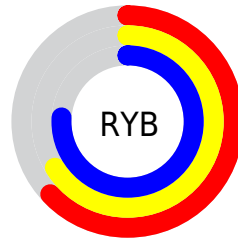
Distribution



Red (63%)

Green (67%)

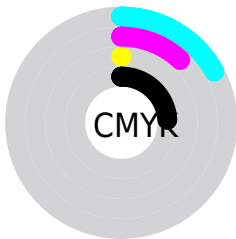
Blue (76%)



Red (63%)

Yellow (66%)

Blue (76%)

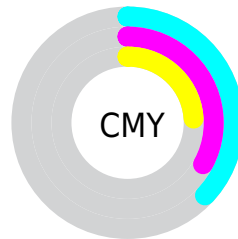


Cyan (17%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (37%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 12.993, 275.791 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, 12.993, 275.791 by changing the saturation by 10% instead.

■ 70, 12.993,
275.791

■ 70, 12.993,
275.791

■ 100, 12.993,
275.791

■ 60, 12.993,
275.791

■ 90, 12.993,
275.791

■ 50, 12.993,
275.791

■ 40, 12.993,
275.791

■ 30, 12.993,
275.791

■ 20, 12.993,
275.791

■ 10, 12.993,
275.791

■ 0, 12.993, 275.791

70, 12.993,
275.791

70, 12.993,
275.791

65, 20.838,
277.443

75, 5.298, 274.385

60, 28.849,
279.382

80, 2.249, 93.022

85, 9.653, 92.035

55, 37.044,
281.643

90, 16.915, 91.120

50, 45.450,
284.257

95, 23.649, 93.367

98, 29.413,
106.103

45, 54.100,
287.227

99, 30.577,
107.852

41, 63.003,
290.503

37, 72.092,
293.963

33, 81.143,

297.387

■ 32, 83.816,
298.323

Harmonies

Complementary

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



70, 12.993, 275.791



75, 12.960, 91.367

Rectangle

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



70, 12.993, 275.791



70, 12.993, 325.791



70, 12.993, 95.791



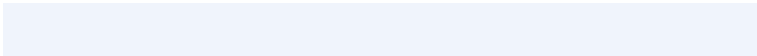
70, 12.993, 145.791

Sweetspot

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



70, 12.992, 275.786



96, 4.683, 274.152



76, 13.261, 173.255



51, 3.222, 274.238



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, 12.992, 275.786



87, 18.978, 276.308



68, 18.392, 298.664



38, 4.297, 274.694



26, 71.750, 297.832



3, 15.458, 281.187

Inverse Universe

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



70, 13.793, 357.407



86, 20.206, 357.794



77, 17.735, 116.166



38, 4.525, 356.572



33, 61.772, 20.171



3, 14.626, 3.326

Previews

White Background



This preview shows how the CIELCh color 70, 12.993, 275.791 looks on a white background.

Color Contrast Check

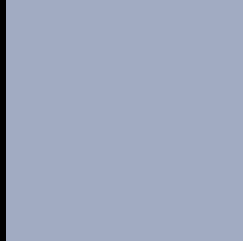
Large Text (above 18pt) WCAG AA × Fail

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, 12.993, 275.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

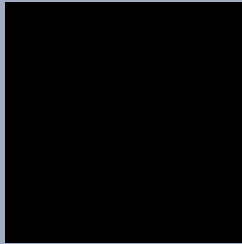
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

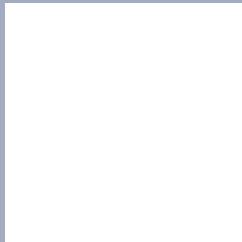
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 12.993, 275.791

Background



This preview shows how black text looks on a background with the CIELCh color 70, 12.993, 275.791.

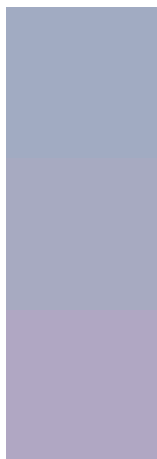


This preview shows how white text looks on a background with the CIELCh color 70, 12.993, 275.791.

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, 12.993, 275.791

Protanopia

70, 12.626, 286.603

Deuteranopia

70, 15.746, 303.445



Tritanopia
70, 8.401, 257.331

Trichromacy



Original Color
70, 12.993, 275.791

Protanomaly
70, 12.691, 283.434

Deuteranomaly
70, 14.284, 294.432

Tritanomaly
70, 10.138, 266.304

Monochromacy



Original Color
70, 12.993, 275.791

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 4.600, 272.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 12.993, 275.791 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(161, 171, 194)` looks like.

```
.text, #text, p{  
    color:rgb(161, 171, 194)  
}
```

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(161, 171, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 171, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 12.993, 275.791 is called "border". The border property can be set on classes, ids or directly on the HTML element.

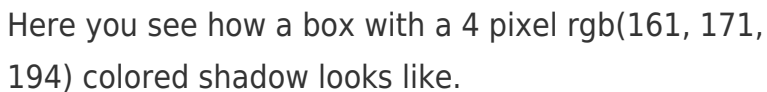
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 171, 194) }
```

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

```
.border{ border-color:rgb(161, 171, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(161, 171, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 171, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 171, 194); box-shadow:4px 4px 4px 4px rgb(161, 171, 194) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 12.993, 275.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 171, 194) }
```

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

```
.background{ background-color: rgb(161,  
171, 194) }
```

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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