

Converting Colors

CIELCh(70, 2.618, 290.478)

Have a look what the booklet for
CIELCh(70, 2.618, 290.478) contains.

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Color

CIELCh(70, 2.196, 290.423)

Conversions

Conversions Part 1

Format	Color
Hex	ABABAF
RGB	171, 171, 175
RGB Percent	67%, 67%, 69%
CMY	0.3304, 0.3304, 0.3147
CMYK	0.02, 0.02, 0.00, 0.31
HSL	240°, 2%, 68%
HSV	240°, 2%, 69%
XYZ	38.9718, 40.7494, 46.2424
YIQ	171.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

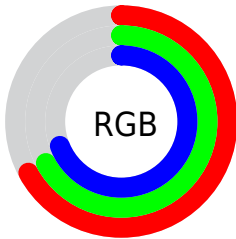
Format	Color
RYB	171, 171, 175
Decimal	11250607
CIELab	70.00, 0.77, -2.06
CIELCh	70, 2.196, 290.423
Yxy	40.7494, 0.3094, 0.3235
Android (android.graphics.Color)	4289440687 (0xFFABABAF)
YUV	171.4560, 1.7472, -0.3999
Hunter-Lab	63.8353, -2.7365, 1.7349

Details

The CIELCh color **70, 2.196, 290.423** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 2.167, 109.907**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 2.087, 290.381**, and **50, 2.343, 290.501** is the 20% darker color. If you saturate the color by 10%, you get **64, 11.981, 291.432**, and if you desaturate by 10%, it is **76, 7.217, 109.461**.

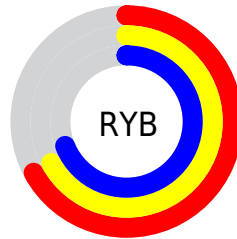
Distribution



Red (67%)

Green (67%)

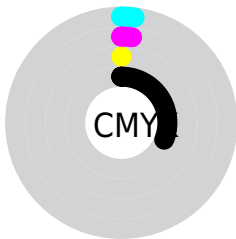
Blue (69%)



Red (67%)

Yellow (67%)

Blue (69%)

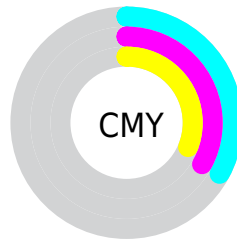


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.196, 290.423 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, 2.196, 290.423 by changing the saturation by 10% instead.

■ 70, 2.196, 290.423

■ 70, 2.196, 290.423

100, 2.196,
290.423

■ 60, 2.196, 290.423

■ 90, 2.196, 290.423

■ 50, 2.196, 290.423

■ 40, 2.196, 290.423

■ 30, 2.196, 290.423

■ 20, 2.196, 290.423

■ 10, 2.196, 290.423

■ 0, 2.196, 290.423

■ 70, 2.196, 290.423

■ 70, 2.196, 290.423

■ 64, 11.981,

■ 76, 7.217, 109.461

291.432

82, 16.282,
108.699

58, 22.172,
292.676

88, 25.026,
108.044

52, 32.800,
294.139

94, 33.470,
107.482

46, 43.880,
295.843

98, 40.216,
107.108

40, 55.384,
297.787

34, 67.154,
299.921

29, 78.735,
302.108

25, 89.133,
304.093

22, 96.794,
305.540

Harmonies

Complementary

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



70, 2.196, 290.423



71, 2.167, 109.907

Rectangle

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



70, 2.196, 290.423



70, 2.196, 340.423



70, 2.196, 110.423



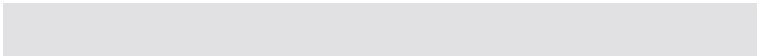
70, 2.196, 160.423

Sweetspot

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



70, 2.194, 290.395



89, 1.189, 290.305



71, 1.490, 198.216



48, 0.682, 290.303



96, 0.011, 296.813



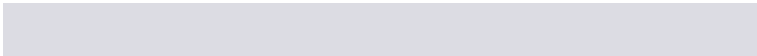
48, 0.006, 296.813

Same Dimension

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



70, 2.194, 290.395



88, 3.560, 290.463



70, 2.321, 308.539



36, 2.161, 290.526



17, 90.235, 306.276



1, 11.340, 290.154

Inverse Universe

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



70, 1.512, 19.152



88, 2.458, 19.280



71, 2.297, 128.430



36, 1.495, 19.365



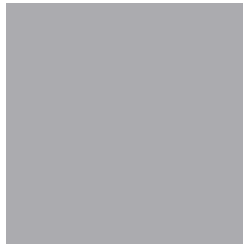
31, 69.956, 39.418



2, 7.802, 19.356

Previews

White Background



This preview shows how the CIELCh color 70, 2.196, 290.423 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, 2.196, 290.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

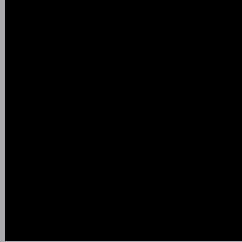
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

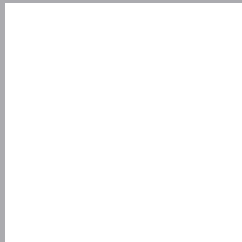
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.196, 290.423

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.196, 290.423.

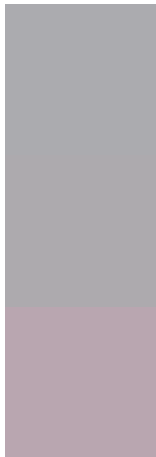


This preview shows how white text looks on a background with the CIELCh color 70, 2.196, 290.423.

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, 2.196, 290.423

Protanopia

70, 2.481, 317.320

Deuteranopia

70, 9.049, 343.051



Tritanopia
70, 7.775, 299.059

Trichromacy



Original Color
70, 2.196, 290.423

Protanomaly
70, 2.331, 309.121

Deuteranomaly
70, 6.318, 336.076

Tritanomaly
70, 5.543, 298.372

Monochromacy



Original Color
70, 2.196, 290.423

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.555, 290.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.196, 290.423 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(171, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 175)  
}
```

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(171, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.196, 290.423 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(171, 171, 175) }
```

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

```
.border{ border-color:rgb(171, 171, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.196, 290.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 175) }
```

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

```
.background{ background-color: rgb(171,  
171, 175) }
```

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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