

Converting Colors

CIELCh(70, 2.544, 285.096)

Have a look what the booklet for
CIELCh(70, 2.544, 285.096) contains.

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Color

CIELCh(70, 2.222, 280.786)

Conversions

Conversions Part 1

Format	Color
Hex	AAABAF
RGB	170, 171, 175
RGB Percent	67%, 67%, 69%
CMY	0.3335, 0.3295, 0.3139
CMYK	0.03, 0.02, 0.00, 0.31
HSL	228°, 3%, 68%
HSV	228°, 3%, 69%
XYZ	38.8616, 40.7494, 46.3576
YIQ	171.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

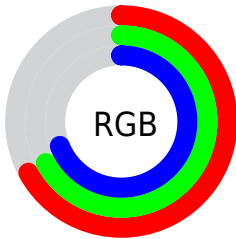
Format	Color
RYB	170, 171, 175
Decimal	11185071
CIELab	70.00, 0.42, -2.18
CIELCh	70, 2.222, 280.786
Yxy	40.7494, 0.3085, 0.3235
Android (android.graphics.Color)	4289375151 (0xFFAAABAF)
YUV	171.1570, 1.8946, -1.0147
Hunter-Lab	63.8353, -3.0446, 1.6279

Details

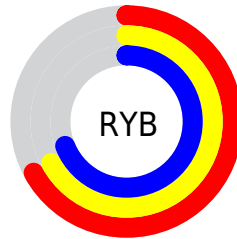
The CIELCh color $70, 2.222, 280.786$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 2.198, 99.988$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 2.112, 280.731$, and $50, 2.371, 280.894$ is the 20% darker color. If you saturate the color by 10%, you get $65, 10.103, 281.938$, and if you desaturate by 10%, it is $75, 5.444, 99.597$.

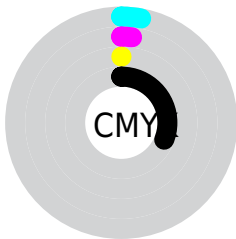
Distribution



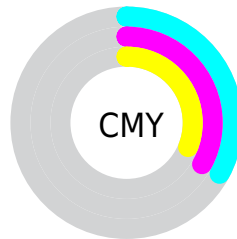
- Red (67%)
- Green (67%)
- Blue (69%)



- Red (67%)
- Yellow (67%)
- Blue (69%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.222, 280.786 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, 2.222, 280.786 by changing the saturation by 10% instead.

■ 70, 2.222, 280.786

■ 70, 2.222, 280.786

■ 100, 2.222,
280.786

■ 60, 2.222, 280.786

■ 90, 2.222, 280.786

■ 50, 2.222, 280.786

■ 40, 2.222, 280.786

■ 30, 2.222, 280.786

■ 20, 2.222, 280.786

■ 10, 2.222, 280.786

■ 0, 2.222, 280.786

■ 70, 2.222, 280.786

■ 70, 2.222, 280.786

■ 65, 10.103,

■ 75, 5.444, 99.597

281.938

80, 12.904, 98.690

60, 18.219,
283.372

85, 20.168, 97.891

55, 26.587,
285.052

90, 27.245, 97.190

50, 35.232,
287.009

95, 33.965, 98.171

45, 44.180,
289.271

98, 40.063,
107.061

40, 53.441,
291.839

98, 40.112,
107.116

35, 62.973,
294.667

31, 72.594,
297.633

27, 81.858,
300.522

Harmonies

Complementary

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



70, 2.222, 280.786



71, 2.198, 99.988

Rectangle

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



70, 2.222, 280.786



70, 2.222, 330.786



70, 2.222, 100.786



70, 2.222, 150.786

Sweetspot

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



70, 2.221, 280.752



90, 0.964, 280.659



71, 1.962, 181.970



48, 0.553, 280.663



96, 0.011, 296.813



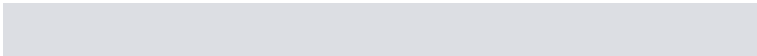
48, 0.006, 296.813

Same Dimension

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



70, 2.221, 280.752



88, 2.880, 280.770



70, 2.803, 301.325



36, 1.747, 280.836



21, 77.802, 301.993



1, 9.559, 282.506

Inverse Universe

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



70, 1.976, 3.226



88, 2.564, 3.259



71, 2.772, 121.025



36, 1.557, 3.358



31, 62.156, 28.442



2, 8.044, 6.063

Previews

White Background



This preview shows how the CIELCh color 70, 2.222, 280.786 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, 2.222, 280.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

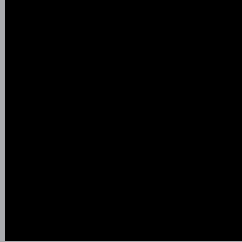
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 2.222, 280.786

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.222, 280.786.



This preview shows how white text looks on a background with the CIELCh color 70, 2.222, 280.786.

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, 2.222, 280.786

Protanopia

70, 2.481, 317.320

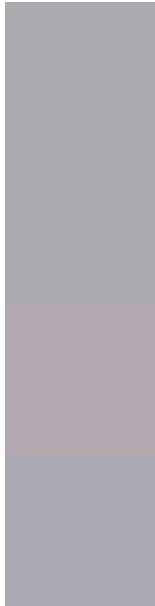
Deuteranopia

70, 9.049, 343.051



Tritanopia
70, 7.141, 293.826

Trichromacy



Original Color

70, 2.222, 280.786

Protanomaly

70, 2.331, 309.121

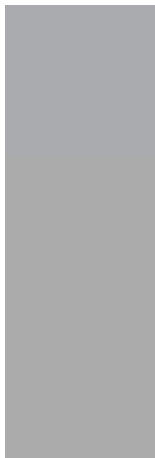
Deuteranomaly

70, 6.318, 336.076

Tritanomaly

70, 5.501, 294.569

Monochromacy



Original Color

70, 2.222, 280.786

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, 2.222, 280.786 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, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.222, 280.786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

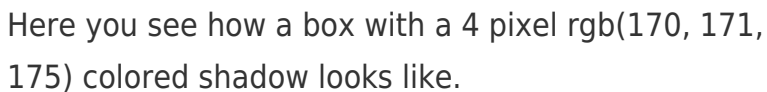
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 171, 175) }
```

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

```
.border{ border-color:rgb(170, 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(170, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 171, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 171, 175); box-shadow:4px 4px 4px 4px rgb(170, 171, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.222, 280.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 175) }
```

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

```
.background{ background-color: rgb(170,  
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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