

Converting Colors

CIELCh(69, 2.228, 280.756)

Have a look what the booklet for
CIELCh(69, 2.228, 280.756) contains.

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Color

CIELCh(69, 2.229, 280.790)

Conversions

Conversions Part 1

Format	Color
Hex	A7A8AC
RGB	167, 168, 172
RGB Percent	65%, 66%, 67%
CMY	0.3440, 0.3401, 0.3244
CMYK	0.03, 0.02, 0.00, 0.32
HSL	228°, 3%, 67%
HSV	228°, 3%, 68%
XYZ	37.5236, 39.3444, 44.7883
YIQ	168.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

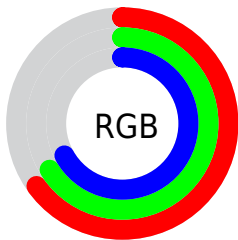
Format	Color
RYB	167, 168, 172
Decimal	10987692
CIELab	69.00, 0.42, -2.19
CIELCh	69, 2.229, 280.790
Yxy	39.3444, 0.3084, 0.3234
Android (android.graphics.Color)	4289177772 (0xFFA7A8AC)
YUV	168.1570, 1.8946, -1.0147
Hunter-Lab	62.7251, -2.9862, 1.5720

Details

The CIELCh color $69, 2.229, 280.790$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 2.205, 99.985$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 2.117, 280.733$, and $49, 2.381, 280.903$ is the 20% darker color. If you saturate the color by 10%, you get $64, 10.012, 281.943$, and if you desaturate by 10%, it is $74, 5.342, 99.602$.

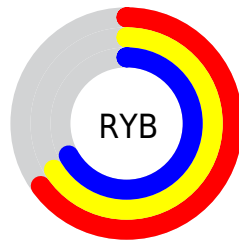
Distribution



Red (65%)

Green (66%)

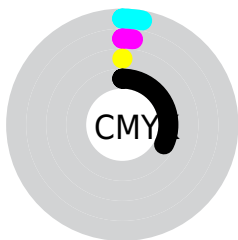
Blue (67%)



Red (65%)

Yellow (66%)

Blue (67%)

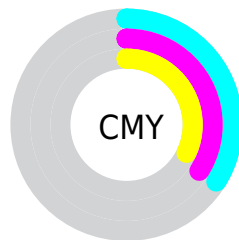


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (32%)



Cyan (34%)

Magenta (34%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 2.229, 280.790 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 69, 2.229, 280.790 by changing the saturation by 10% instead.

■ 69, 2.229, 280.790

■ 69, 2.229, 280.790

100, 2.229,
280.790

■ 59, 2.229, 280.790

■ 89, 2.229, 280.790

■ 49, 2.229, 280.790

■ 99, 2.229, 280.790

■ 39, 2.229, 280.790

■ 29, 2.229, 280.790

■ 19, 2.229, 280.790

■ 9, 2.229, 280.790

■ 0, 2.229, 280.790

■ 69, 2.229, 280.790

■ 69, 2.229, 280.790

■ 64, 10.012,

■ 74, 5.342, 99.602

281.943

79, 12.710, 98.696

59, 18.027,
283.376

84, 19.884, 97.898

54, 26.291,
285.054

89, 26.874, 97.196

49, 34.828,
287.009

94, 33.688, 96.578

44, 43.663,
289.267

97, 39.567,
104.818

39, 52.808,
291.832

34, 62.220,
294.656

30, 71.721,
297.618

26, 80.873,
300.505

Harmonies

Complementary

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



69, 2.229, 280.790



70, 2.205, 99.985

Rectangle

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



69, 2.229, 280.790



69, 2.229, 330.790



69, 2.229, 100.790



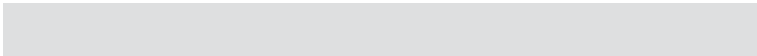
69, 2.229, 150.790

Sweetspot

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



69, 2.228, 280.756



89, 0.955, 280.660



70, 1.968, 181.963



47, 0.543, 280.664



95, 0.011, 296.813



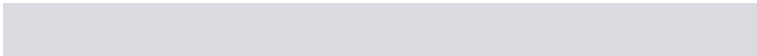
47, 0.006, 296.813

Same Dimension

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



69, 2.228, 280.756



87, 2.854, 280.771



69, 2.812, 301.327



36, 1.747, 280.837



21, 77.803, 301.994



1, 9.560, 282.506

Inverse Universe

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



69, 1.982, 3.234



87, 2.540, 3.259



70, 2.781, 121.022



36, 1.557, 3.359



31, 62.157, 28.443



2, 8.044, 6.063

Previews

White Background



This preview shows how the CIELCh color 69, 2.229, 280.790 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 69, 2.229, 280.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

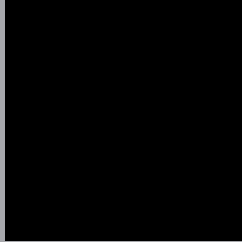
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

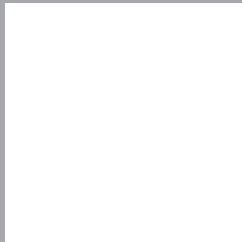
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 2.229, 280.790

Background



This preview shows how black text looks on a background with the CIELCh color 69, 2.229, 280.790.



This preview shows how white text looks on a background with the CIELCh color 69, 2.229, 280.790.

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

69, 2.229, 280.790

Protanopia

69, 2.988, 312.556

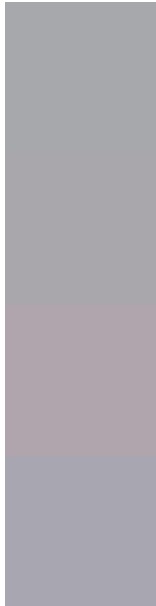
Deuteranopia

69, 9.078, 343.065



Tritanopia
69, 7.197, 296.754

Trichromacy



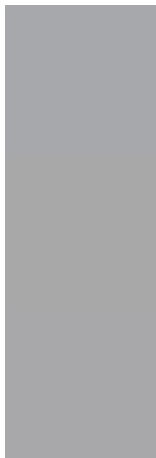
Original Color
69, 2.229, 280.790

Protanomaly
69, 2.864, 305.615

Deuteranomaly
69, 6.338, 336.084

Tritanomaly
69, 5.519, 294.577

Monochromacy



Original Color
69, 2.229, 280.790

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.106, 290.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 2.229, 280.790 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(167, 168, 172)` looks like.

```
.text, #text, p{  
    color:rgb(167, 168, 172)  
}
```

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(167, 168, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 168, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 2.229, 280.790 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(167, 168, 172) }
```

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

```
.border{ border-color:rgb(167, 168, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 168, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 168, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 168, 172);  
box-shadow:4px 4px 4px 4px rgb(167, 168,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 2.229, 280.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 168, 172) }
```

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

```
.background{ background-color: rgb(167,  
168, 172) }
```

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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