

Converting Colors

CIELCh(72, 2.613, 280.836)

Have a look what the booklet for
CIELCh(72, 2.613, 280.836) contains.

CIELCh(72, 2.748, 282.744)	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(72, 2.748, 282.744)

Conversions

Conversions Part 1

Format	Color
Hex	AFB0B5
RGB	175, 176, 181
RGB Percent	69%, 69%, 71%
CMY	0.3126, 0.3087, 0.2891
CMYK	0.03, 0.03, 0.00, 0.29
HSL	230°, 4%, 70%
HSV	230°, 3%, 71%
XYZ	41.6959, 43.6590, 50.1014
YIQ	176.2710, -2.2010, 1.3430

Conversions

Conversions Part 2

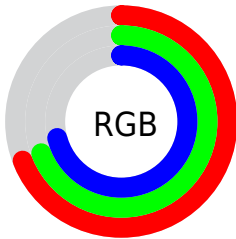
Format	Color
RYB	175, 176, 181
Decimal	11514037
CIELab	72.00, 0.61, -2.68
CIELCh	72, 2.748, 282.744
Yxy	43.6590, 0.3078, 0.3223
Android (android.graphics.Color)	4289704117 (0xFFAFB0B5)
YUV	176.2710, 2.3314, -1.1147
Hunter-Lab	66.0750, -2.9908, 1.2958

Details

The CIELCh color $72, 2.748, 282.744$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 2.719, 101.903$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 2.612, 282.675$, and $52, 2.353, 280.879$ is the 20% darker color. If you saturate the color by 10%, you get $67, 11.187, 283.899$, and if you desaturate by 10%, it is $77, 5.441, 101.600$.

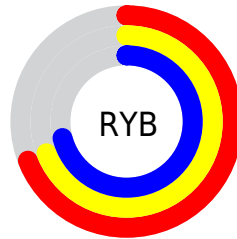
Distribution



Red (69%)

Green (69%)

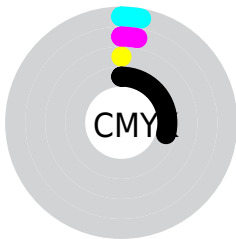
Blue (71%)



Red (69%)

Yellow (69%)

Blue (71%)

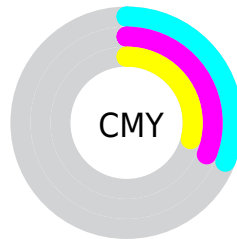


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.748, 282.744 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 72, 2.748, 282.744 by changing the saturation by 10% instead.

■ 72, 2.748, 282.744

■ 72, 2.748, 282.744

100, 2.748,
282.744

■ 62, 2.748, 282.744

■ 92, 2.748, 282.744

■ 52, 2.748, 282.744

■ 42, 2.748, 282.744

■ 32, 2.748, 282.744

■ 22, 2.748, 282.744

■ 12, 2.748, 282.744

■ 2, 2.748, 282.744

■ 0, 2.748, 282.744

■ 72, 2.748, 282.744

■ 72, 2.748, 282.744

67, 11.187,
283.899

77, 5.441, 101.600

61, 19.901,
285.315

83, 13.391,
100.711

56, 28.911,
286.973

88, 21.116, 99.930

93, 28.628, 99.247

50, 38.246,
288.907

98, 35.523,
105.443

45, 47.927,
291.137

98, 37.011,
107.356

40, 57.950,
293.658

35, 68.224,
296.407

30, 78.455,
299.237

27, 87.999,

Harmonies

Complementary

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



72, 2.748, 282.744



73, 2.719, 101.903

Rectangle

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



72, 2.748, 282.744



72, 2.748, 332.744



72, 2.748, 102.744



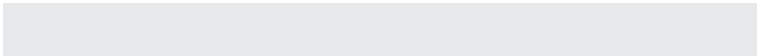
72, 2.748, 152.744

Sweetspot

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



72, 2.747, 282.717



92, 1.027, 282.569



73, 2.306, 184.453



49, 0.584, 282.572



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 2.747, 282.717



90, 4.094, 282.794



72, 3.360, 302.593



37, 2.377, 282.858



21, 82.765, 303.120



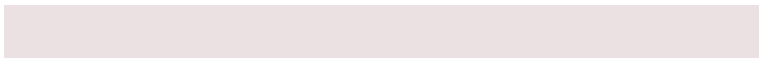
2, 13.515, 284.828

Inverse Universe

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



72, 2.330, 5.868



90, 3.478, 5.974



73, 3.323, 122.263



38, 2.021, 6.050



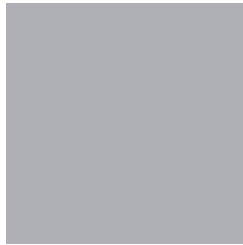
32, 65.180, 31.054



2, 10.830, 9.351

Previews

White Background



This preview shows how the CIELCh color 72, 2.748, 282.744 looks on a white background.

Color Contrast Check

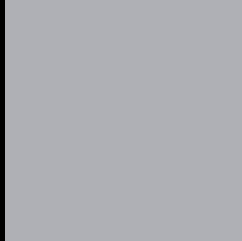
Large Text (above 18pt) WCAG AA × Fail

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 72, 2.748, 282.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

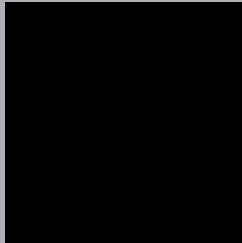
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

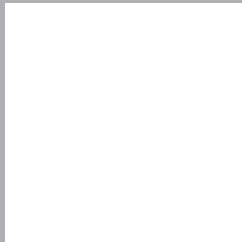
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.748, 282.744

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.748, 282.744.



This preview shows how white text looks on a background with the CIELCh color 72, 2.748, 282.744.

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


72, 2.748, 282.744

Protanopia

72, 3.473, 309.179

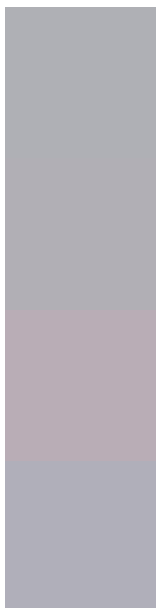
Deuteranopia

72, 9.626, 341.844



Tritanopia
72, 7.678, 296.355

Trichromacy



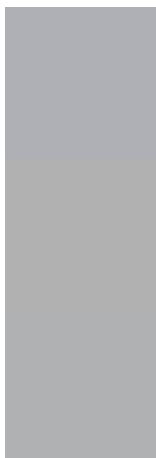
Original Color
72, 2.748, 282.744

Protanomaly
72, 3.368, 303.208

Deuteranomaly
72, 6.672, 332.709

Tritanomaly
72, 6.016, 294.254

Monochromacy



Original Color
72, 2.748, 282.744

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.151, 271.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 2.748, 282.744 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(175, 176, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 176, 181)  
}
```

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(175, 176, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 176, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.748, 282.744 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(175, 176, 181) }
```

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

```
.border{ border-color:rgb(175, 176, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 176, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 176, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 176, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 176,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.748, 282.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 176, 181) }
```

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

```
.background{ background-color: rgb(175,  
176, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor