

Converting Colors

CIELCh(72, 2.344, 168.308)

Have a look what the booklet for
CIELCh(72, 2.344, 168.308) contains.

CIELCh(72, 2.783, 163.513)	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, 2.783, 163.513)

Conversions

Conversions Part 1

Format	Color
Hex	ACB2AF
RGB	172, 178, 175
RGB Percent	67%, 70%, 69%
CMY	0.3258, 0.3023, 0.3141
CMYK	0.03, 0.00, 0.02, 0.30
HSL	150°, 4%, 69%
HSV	150°, 3%, 70%
XYZ	40.6269, 43.6590, 46.7987
YIQ	175.8640, -2.6130, -2.2050

Conversions

Conversions Part 2

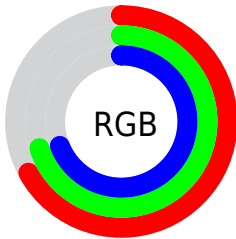
Format	Color
RYB	172, 176, 178
Decimal	11317935
CIELab	72.00, -2.67, 0.79
CIELCh	72, 2.783, 163.513
Yxy	43.6590, 0.3099, 0.3331
Android (android.graphics.Color)	4289508015 (0xFFACB2AF)
YUV	175.8640, -0.4260, -3.3887
Hunter-Lab	66.0750, -5.8786, 4.2593

Details

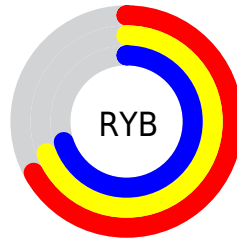
The CIELCh color **72, 2.783, 163.513** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 2.808, 343.777**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 3.245, 159.897**, and **52, 2.312, 169.214** is the 20% darker color. If you saturate the color by 10%, you get **70, 11.067, 162.546**, and if you desaturate by 10%, it is **74, 5.465, 344.074**.

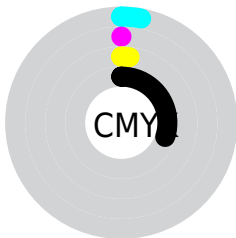
Distribution



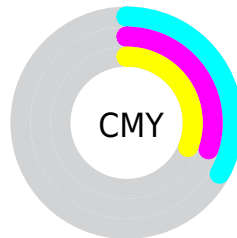
- Red (67%)
- Green (70%)
- Blue (69%)



- Red (67%)
- Yellow (69%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.783, 163.513 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, 2.783, 163.513 by changing the saturation by 10% instead.

■ 72, 2.783, 163.513

■ 72, 2.783, 163.513

■ 100, 2.783,
163.513

■ 62, 2.783, 163.513

■ 92, 2.783, 163.513

■ 52, 2.783, 163.513

■ 42, 2.783, 163.513

■ 32, 2.783, 163.513

■ 22, 2.783, 163.513

■ 12, 2.783, 163.513

■ 2, 2.783, 163.513

■ 0, 2.783, 163.513

■ 72, 2.783, 163.513

■ 72, 2.783, 163.513

70, 11.067,
162.546

74, 5.465, 344.074

69, 19.292,
161.584

75, 13.613,
344.825

68, 27.348,
160.519

77, 21.608,
345.490

67, 35.107,
159.323

79, 29.416,
346.103

66, 42.431,
157.971

81, 35.342,
344.363

65, 49.186,
156.440

81, 38.099,
338.562

65, 55.261,
154.710

81, 41.224,
333.658

64, 60.586,
152.771

82, 44.633,
329.540

64, 65.155,

82, 48.252,
326.092

150.634

Harmonies

Complementary

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



72, 2.783, 163.513



71, 2.808, 343.777

Rectangle

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



72, 2.783, 163.513



72, 2.783, 213.513



72, 2.783, 343.513



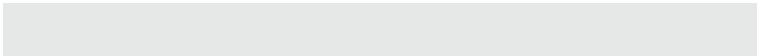
72, 2.783, 33.513

Sweetspot

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



72, 2.785, 163.500



92, 1.019, 164.001



72, 3.442, 128.368



49, 0.584, 164.030



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, 2.785, 163.500



91, 4.100, 163.420



72, 2.225, 198.045



37, 2.346, 163.358



55, 60.378, 149.497



7, 12.297, 158.288

Inverse Universe

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



71, 2.808, 343.777



90, 4.134, 343.856



71, 2.272, 18.010



37, 2.366, 343.919



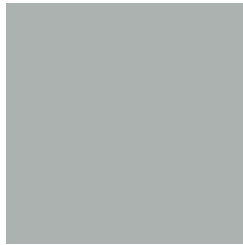
32, 57.953, 1.292



2, 10.606, 349.849

Previews

White Background



This preview shows how the CIELCh color 72, 2.783, 163.513 looks on a white background.

Color Contrast Check

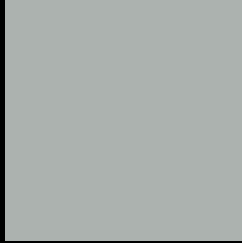
Large Text (above 18pt) WCAG AA × Fail

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, 2.783, 163.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

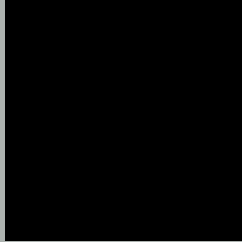
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

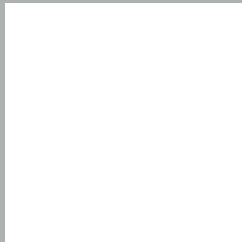
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.783, 163.513

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.783, 163.513.



This preview shows how white text looks on a background with the CIELCh color 72, 2.783, 163.513.

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, 2.783, 163.513

Protanopia

72, 1.846, 55.193

Deuteranopia

72, 8.807, 2.228



Tritanopia
72, 7.648, 285.510

Trichromacy



Original Color
72, 2.783, 163.513

Protanomaly
72, 1.621, 109.983

Deuteranomaly
72, 4.305, 5.066

Tritanomaly
72, 4.571, 271.993

Monochromacy



Original Color
72, 2.783, 163.513

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 0.924, 163.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 2.783, 163.513 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(172, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(172, 178, 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(172, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 178, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.783, 163.513 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(172, 178, 175) }
```

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

```
.border{ border-color:rgb(172, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(172, 178,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.783, 163.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 178, 175) }
```

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

```
.background{ background-color: rgb(172,  
178, 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](#).

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