

Converting Colors

CIELCh(72, 5.010, 312.089)

Have a look what the booklet for
CIELCh(72, 5.010, 312.089) contains.

CIELCh(72, 4.761, 313.458)	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, 4.761, 313.458)

Conversions

Conversions Part 1

Format	Color
Hex	B4AFB7
RGB	180, 175, 183
RGB Percent	71%, 69%, 72%
CMY	0.2950, 0.3146, 0.2832
CMYK	0.02, 0.04, 0.00, 0.28
HSL	277°, 5%, 70%
HSV	277°, 4%, 72%
XYZ	42.5807, 43.6590, 50.8602
YIQ	177.4070, 0.4120, 3.5480

Conversions

Conversions Part 2

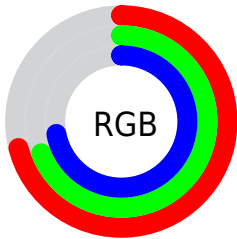
Format	Color
RYB	180, 175, 183
Decimal	11841463
CIELab	72.00, 3.27, -3.46
CIELCh	72, 4.761, 313.458
Yxy	43.6590, 0.3106, 0.3184
Android (android.graphics.Color)	4290031543 (0xFFB4AFB7)
YUV	177.4070, 2.7573, 2.2741
Hunter-Lab	66.0750, -0.6005, 0.6150

Details

The CIELCh color $72, 4.761, 313.458$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $74, 4.724, 133.161$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 4.525, 313.410$, and $52, 4.382, 311.717$ is the 20% darker color. If you saturate the color by 10%, you get $67, 15.813, 313.898$, and if you desaturate by 10%, it is $77, 6.017, 133.114$.

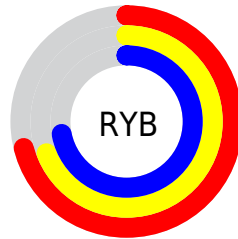
Distribution



Red (71%)

Green (69%)

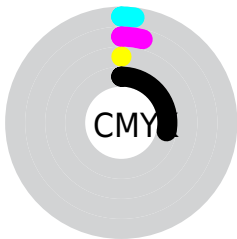
Blue (72%)



Red (71%)

Yellow (69%)

Blue (72%)

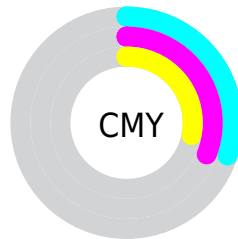


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (30%)

Magenta (31%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 4.761, 313.458 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, 4.761, 313.458 by changing the saturation by 10% instead.

■ 72, 4.761, 313.458

■ 72, 4.761, 313.458

■ 100, 4.761,
313.458

■ 62, 4.761, 313.458

■ 92, 4.761, 313.458

■ 52, 4.761, 313.458

■ 42, 4.761, 313.458

■ 32, 4.761, 313.458

■ 22, 4.761, 313.458

■ 12, 4.761, 313.458

■ 2, 4.761, 313.458

■ 0, 4.761, 313.458

■ 72, 4.761, 313.458

■ 72, 4.761, 313.458

67, 15.813,
313.898

77, 6.017, 133.114

61, 27.095,
314.345

83, 16.491,
132.737

56, 38.508,
314.796

88, 26.657,
132.404

51, 49.887,
315.230

93, 36.519,
132.108

47, 60.969,
315.613

96, 39.627,
130.070

42, 71.354,
315.897

96, 38.667,
126.729

38, 80.500,
316.016

97, 37.846,
123.171

35, 87.769,
315.890

97, 37.181,
119.415

33, 92.607,

98, 36.689,
115.490

315.442

Harmonies

Complementary

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



72, 4.761, 313.458



74, 4.724, 133.161

Rectangle

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



72, 4.761, 313.458



72, 4.761, 3.458



72, 4.761, 133.458



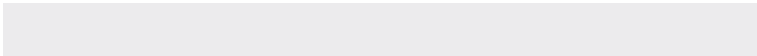
72, 4.761, 183.458

Sweetspot

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



72, 4.759, 313.453



93, 1.346, 313.215



72, 2.896, 267.559



50, 0.772, 313.206



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 4.759, 313.453



91, 6.726, 313.487



72, 4.892, 327.980



37, 3.716, 313.511



27, 83.921, 315.244



2, 16.350, 309.346

Inverse Universe

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



72, 3.435, 351.234



91, 4.856, 351.316



74, 4.875, 147.582



37, 2.684, 351.374



33, 58.826, 13.284



2, 11.507, 357.755

Previews

White Background



This preview shows how the CIELCh color 72, 4.761, 313.458 looks on a white background.

Color Contrast Check

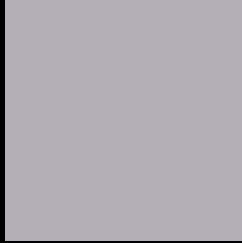
Large Text (above 18pt) WCAG AA × Fail

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, 4.761, 313.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

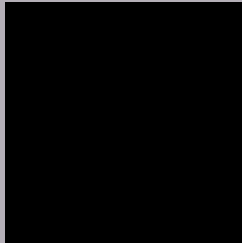
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 4.761, 313.458

Background



This preview shows how black text looks on a background with the CIELCh color 72, 4.761, 313.458.

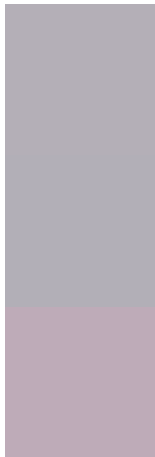


This preview shows how white text looks on a background with the CIELCh color 72, 4.761, 313.458.

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, 4.761, 313.458

Protanopia

72, 4.517, 304.792

Deuteranopia

72, 10.055, 335.587



Tritanopia
72, 8.085, 309.382

Trichromacy



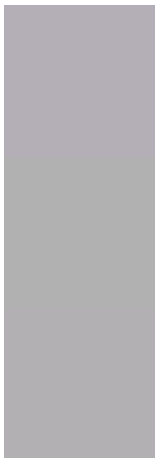
Original Color
72, 4.761, 313.458

Protanomaly
72, 4.626, 309.234

Deuteranomaly
72, 8.398, 329.020

Tritanomaly
72, 7.064, 312.173

Monochromacy



Original Color
72, 4.761, 313.458

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.811, 314.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 4.761, 313.458 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(180, 175, 183)` looks like.

```
.text, #text, p{  
    color:rgb(180, 175, 183)  
}
```

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(180, 175, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 175, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 4.761, 313.458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

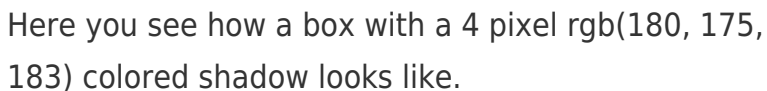
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 175, 183) }
```

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

```
.border{ border-color:rgb(180, 175, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 175, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 175, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 175, 183); box-shadow:4px 4px 4px 4px rgb(180, 175, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 4.761, 313.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 175, 183) }
```

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

```
.background{ background-color: rgb(180,  
175, 183) }
```

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