

Converting Colors

CIELCh(72, 4.528, 314.802)

Have a look what the booklet for
CIELCh(72, 4.528, 314.802) contains.

CIELCh(72, 4.266, 316.302)	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, 4.266, 316.302)

Conversions

Conversions Part 1

Format	Color
Hex	B4AFB6
RGB	180, 175, 182
RGB Percent	71%, 69%, 71%
CMY	0.2947, 0.3143, 0.2869
CMYK	0.01, 0.04, 0.00, 0.29
HSL	283°, 5%, 70%
HSV	283°, 4%, 71%
XYZ	42.5171, 43.6590, 50.3616
YIQ	177.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

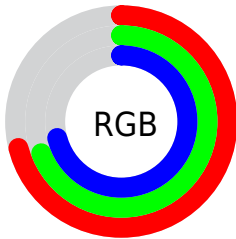
Format	Color
RYB	180, 175, 182
Decimal	11841462
CIELab	72.00, 3.08, -2.95
CIELCh	72, 4.266, 316.302
Yxy	43.6590, 0.3114, 0.3198
Android (android.graphics.Color)	4290031542 (0xFFB4AFB6)
YUV	177.2930, 2.3206, 2.3740
Hunter-Lab	66.0750, -0.7722, 1.0623

Details

The CIELCh color $72, 4.266, 316.302$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 4.237, 136.062$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 4.055, 316.255$, and $52, 3.847, 314.821$ is the 20% darker color. If you saturate the color by 10%, you get $67, 15.494, 316.748$, and if you desaturate by 10%, it is $77, 6.712, 135.964$.

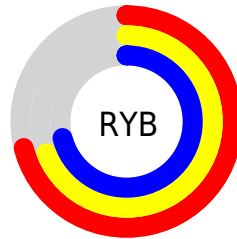
Distribution



Red (71%)

Green (69%)

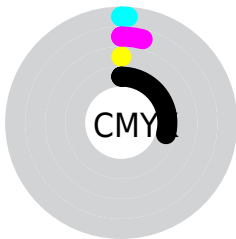
Blue (71%)



Red (71%)

Yellow (69%)

Blue (71%)

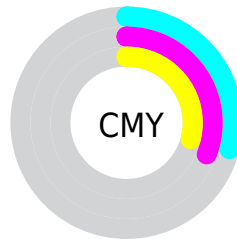


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 4.266, 316.302 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, 4.266, 316.302 by changing the saturation by 10% instead.

■ 72, 4.266, 316.302

■ 72, 4.266, 316.302

■ 100, 4.266,
316.302

■ 62, 4.266, 316.302

■ 92, 4.266, 316.302

■ 52, 4.266, 316.302

■ 42, 4.266, 316.302

■ 32, 4.266, 316.302

■ 22, 4.266, 316.302

■ 12, 4.266, 316.302

■ 2, 4.266, 316.302

■ 0, 4.266, 316.302

■ 72, 4.266, 316.302

■ 72, 4.266, 316.302

67, 15.494,
316.748

77, 6.712, 135.964

62, 26.908,
317.185

82, 17.399,
135.574

57, 38.388,
317.615

88, 27.781,
135.224

52, 49.740,
318.018

93, 37.857,
134.907

48, 60.673,
318.362

95, 41.349,
133.489

44, 70.772,
318.605

95, 40.511,
131.198

40, 79.511,
318.692

96, 39.736,
128.779

37, 86.318,
318.563

96, 39.034,
126.234

35, 90.748,

96, 38.411,
123.568

Harmonies

Complementary

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



72, 4.266, 316.302



73, 4.237, 136.062

Rectangle

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



72, 4.266, 316.302



72, 4.266, 6.302



72, 4.266, 136.302



72, 4.266, 186.302

Sweetspot

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



72, 4.264, 316.298



93, 1.378, 316.071



72, 2.768, 274.238



50, 0.790, 316.060



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, 4.264, 316.298



91, 6.883, 316.359



72, 4.038, 330.692



37, 3.802, 316.384



29, 82.510, 317.936



2, 16.744, 312.806

Inverse Universe

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



72, 2.859, 357.143



91, 4.621, 357.297



73, 4.021, 150.362



37, 2.554, 357.358



32, 60.758, 21.546



2, 11.160, 2.565

Previews

White Background



This preview shows how the CIELCh color 72, 4.266, 316.302 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, 4.266, 316.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

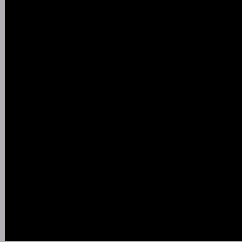
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

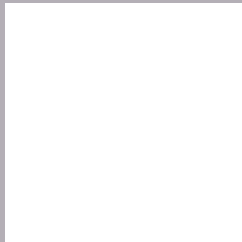
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 4.266, 316.302

Background



This preview shows how black text looks on a background with the CIELCh color 72, 4.266, 316.302.



This preview shows how white text looks on a background with the CIELCh color 72, 4.266, 316.302.

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, 4.266, 316.302

Protanopia

72, 3.992, 306.692

Deuteranopia

72, 9.966, 339.385



Tritanopia
72, 8.085, 309.382

Trichromacy



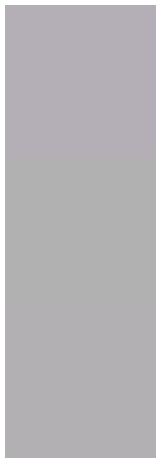
Original Color
72, 4.266, 316.302

Protanomaly
72, 4.114, 311.650

Deuteranomaly
72, 8.234, 333.458

Tritanomaly
72, 7.064, 312.173

Monochromacy



Original Color
72, 4.266, 316.302

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, 4.266, 316.302 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(180, 175, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 175, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 4.266, 316.302 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, 182) }
```

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

```
.border{ border-color:rgb(180, 175, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 175, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 175, 182);  
box-shadow:4px 4px 4px 4px rgb(180, 175,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 4.266, 316.302 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, 182) }
```

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

```
.background{ background-color: rgb(180,  
175, 182) }
```

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