

Converting Colors

CIELCh(72, 5.448, 110.991)

Have a look what the booklet for
CIELCh(72, 5.448, 110.991) contains.

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Color

CIELCh(72, 5.420, 109.634)

Conversions

Conversions Part 1

Format	Color
Hex	B1B1A7
RGB	177, 177, 167
RGB Percent	69%, 69%, 65%
CMY	0.3053, 0.3053, 0.3445
CMYK	0.00, 0.00, 0.06, 0.31
HSL	60°, 6%, 68%
HSV	60°, 6%, 69%
XYZ	40.9017, 43.6590, 42.8986
YIQ	175.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

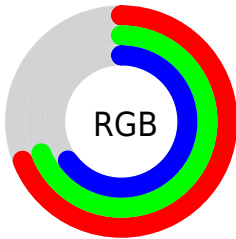
Format	Color
RYB	167, 177, 167
Decimal	11645351
CIELab	72.00, -1.82, 5.10
CIELCh	72, 5.420, 109.634
Yxy	43.6590, 0.3209, 0.3425
Android (android.graphics.Color)	4289835431 (0xFFB1B1A7)
YUV	175.8600, -4.3680, 0.9998
Hunter-Lab	66.0750, -5.1361, 7.7590

Details

The CIELCh color $72, 5.420, 109.634$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 5.503, 290.757$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 5.663, 109.712$, and $52, 5.206, 109.504$ is the 20% darker color. If you saturate the color by 10%, you get $72, 15.002, 108.700$, and if you desaturate by 10%, it is $72, 4.198, 290.612$.

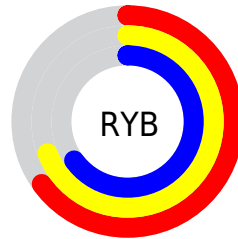
Distribution



Red (69%)

Green (69%)

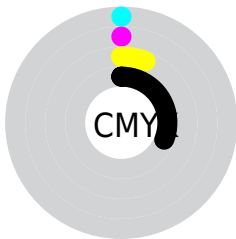
Blue (65%)



Red (65%)

Yellow (69%)

Blue (65%)

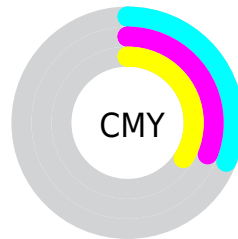


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 5.420, 109.634 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, 5.420, 109.634 by changing the saturation by 10% instead.

■ 72, 5.420, 109.634

■ 72, 5.420, 109.634

■ 100, 5.420,
109.634

■ 62, 5.420, 109.634

■ 92, 5.420, 109.634

■ 52, 5.420, 109.634

■ 42, 5.420, 109.634

■ 32, 5.420, 109.634

■ 22, 5.420, 109.634

■ 12, 5.420, 109.634

■ 2, 5.420, 109.634

■ 0, 5.420, 109.634

■ 72, 5.420, 109.634

■ 72, 5.420, 109.634

72, 15.002,
108.700

72, 4.198, 290.612

71, 24.486,
107.743

73, 13.821,
291.517

71, 33.787,
106.800

74, 23.421,
292.398

71, 42.772,
105.891

74, 32.980,
293.243

70, 51.237,
105.042

75, 42.102,
294.016

70, 58.880,
104.288

75, 42.102,
294.019

70, 65.299,
103.667

75, 42.102,
294.021

70, 70.048,
103.216

75, 42.102,
294.024

70, 72.837,

75, 42.102,
294.026

Harmonies

Complementary

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



72, 5.420, 109.634



69, 5.503, 290.757

Rectangle

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



72, 5.420, 109.634



72, 5.420, 159.634



72, 5.420, 289.634



72, 5.420, 339.634

Sweetspot

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



72, 5.422, 109.648



91, 2.364, 109.970



69, 3.821, 19.614



48, 1.342, 109.979



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



72, 5.422, 109.648



91, 8.296, 109.510



72, 5.771, 128.844



38, 4.377, 109.478



61, 66.185, 102.873



8, 13.294, 110.102

Inverse Universe

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



69, 5.503, 290.757



86, 8.441, 290.908



69, 5.828, 309.295



35, 4.457, 290.944



17, 91.388, 306.288



1, 13.317, 290.188

Previews

White Background



This preview shows how the CIELCh color 72, 5.420, 109.634 looks on a white background.

Color Contrast Check

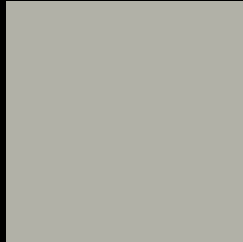
Large Text (above 18pt) WCAG AA × Fail

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, 5.420, 109.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

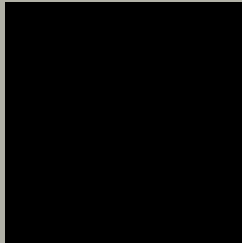
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

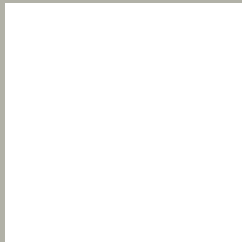
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 5.420, 109.634

Background



This preview shows how black text looks on a background with the CIELCh color 72, 5.420, 109.634.

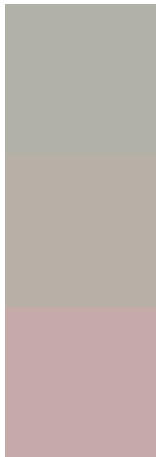


This preview shows how white text looks on a background with the CIELCh color 72, 5.420, 109.634.

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, 5.420, 109.634

Protanopia

72, 5.879, 86.513

Deuteranopia

72, 10.146, 26.333



Tritanopia
72, 7.974, 306.878

Trichromacy



Original Color
72, 5.420, 109.634

Protanomaly
72, 5.625, 93.788

Deuteranomaly
72, 6.735, 43.506

Tritanomaly
72, 3.126, 318.871

Monochromacy



Original Color
72, 5.420, 109.634

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.623, 109.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 5.420, 109.634 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(177, 177, 167)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 167)  
}
```

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(177, 177, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 5.420, 109.634 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(177, 177, 167) }
```

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

```
.border{ border-color:rgb(177, 177, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 167);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 5.420, 109.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 167) }
```

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

```
.background{ background-color: rgb(177,  
177, 167) }
```

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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