

Converting Colors

CIELCh(72, 3.091, 108.947)

Have a look what the booklet for
CIELCh(72, 3.091, 108.947) contains.

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Color

CIELCh(72, 3.250, 109.841)

Conversions

Conversions Part 1

Format	Color
Hex	B1B1AB
RGB	177, 177, 171
RGB Percent	69%, 69%, 67%
CMY	0.3064, 0.3064, 0.3299
CMYK	0.00, 0.00, 0.03, 0.31
HSL	60°, 4%, 68%
HSV	60°, 3%, 69%
XYZ	41.1356, 43.6590, 44.7213
YIQ	176.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

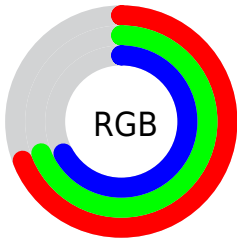
Format	Color
RYB	171, 177, 171
Decimal	11645355
CIELab	72.00, -1.10, 3.06
CIElCh	72, 3.250, 109.841
Yxy	43.6590, 0.3176, 0.3371
Android (android.graphics.Color)	4289835435 (0xFFB1B1AB)
YUV	176.3160, -2.6208, 0.5999
Hunter-Lab	66.0750, -4.5043, 6.1234

Details

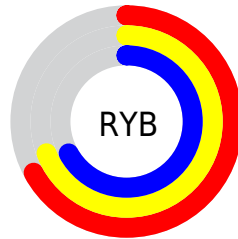
The CIELCh color $72, 3.250, 109.841$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 3.292, 290.545$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 3.600, 109.870$, and $52, 2.891, 109.794$ is the 20% darker color. If you saturate the color by 10%, you get $72, 12.833, 108.924$, and if you desaturate by 10%, it is $72, 6.360, 290.824$.

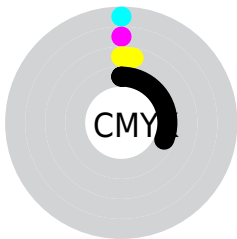
Distribution



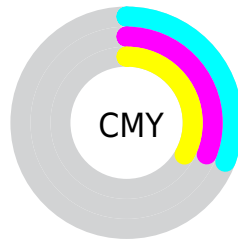
- Red (69%)
- Green (69%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 3.250, 109.841 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, 3.250, 109.841 by changing the saturation by 10% instead.

■ 72, 3.250, 109.841

■ 72, 3.250, 109.841

■ 100, 3.250,
109.841

■ 62, 3.250, 109.841

■ 92, 3.250, 109.841

■ 52, 3.250, 109.841

■ 42, 3.250, 109.841

■ 32, 3.250, 109.841

■ 22, 3.250, 109.841

■ 12, 3.250, 109.841

■ 2, 3.250, 109.841

■ 0, 3.250, 109.841

■ 72, 3.250, 109.841

■ 72, 3.250, 109.841

72, 12.833,
108.924

72, 6.360, 290.824

71, 22.333,
107.968

73, 15.967,
291.726

71, 31.673,
107.021

74, 25.547,
292.599

71, 40.733,
106.102

74, 35.083,
293.435

70, 49.327,
105.238

75, 42.260,
294.041

70, 57.178,
104.460

75, 42.260,
294.045

70, 63.904,
103.805

75, 42.260,
294.050

70, 69.061,
103.314

75, 42.260,
294.054

70, 72.287,

75, 42.260,
294.058

Harmonies

Complementary

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



72, 3.250, 109.841



70, 3.292, 290.545

Rectangle

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



72, 3.250, 109.841



72, 3.250, 159.841



72, 3.250, 289.841



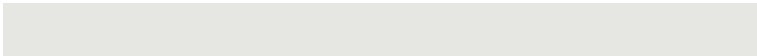
72, 3.250, 339.841

Sweetspot

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



72, 3.252, 109.863



91, 1.177, 110.044



70, 2.274, 19.386



48, 0.668, 110.046



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, 3.252, 109.863



91, 4.738, 109.802



72, 3.458, 128.955



38, 2.735, 109.748



61, 66.185, 102.886



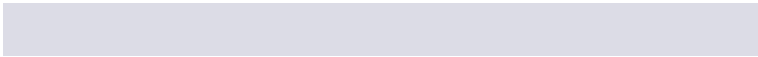
8, 13.294, 110.116

Inverse Universe

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



70, 3.292, 290.545



88, 4.799, 290.609



70, 3.490, 309.183



36, 2.772, 290.667



17, 91.387, 306.289



1, 13.317, 290.195

Previews

White Background



This preview shows how the CIELCh color 72, 3.250, 109.841 looks on a white background.

Color Contrast Check

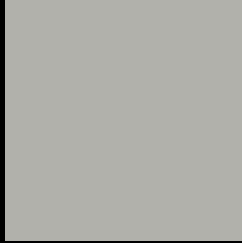
Large Text (above 18pt) WCAG AA × Fail

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, 3.250, 109.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

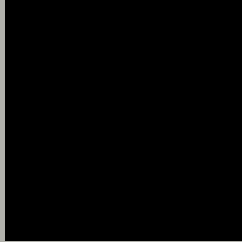
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

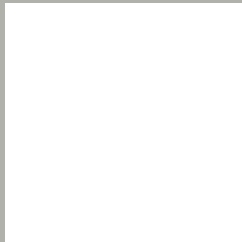
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 3.250, 109.841

Background



This preview shows how black text looks on a background with the CIELCh color 72, 3.250, 109.841.



This preview shows how white text looks on a background with the CIELCh color 72, 3.250, 109.841.

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, 3.250, 109.841

Protanopia

72, 3.754, 79.345

Deuteranopia

72, 9.240, 16.808



Tritanopia
72, 7.878, 304.316

Trichromacy



Original Color
72, 3.250, 109.841

Protanomaly
72, 3.436, 90.450

Deuteranomaly
72, 5.753, 25.204

Tritanomaly
72, 3.992, 306.692

Monochromacy



Original Color
72, 3.250, 109.841

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.079, 110.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 3.250, 109.841 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 3.250, 109.841 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, 171) }
```

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

```
.border{ border-color:rgb(177, 177, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 171);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 3.250, 109.841 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, 171) }
```

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

```
.background{ background-color: rgb(177,  
177, 171) }
```

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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