

Converting Colors

CIELCh(72, 6.210, 109.857)

Have a look what the booklet for
CIELCh(72, 6.210, 109.857) contains.

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Color

CIELCh(72, 5.963, 109.581)

Conversions

Conversions Part 1

Format	Color
Hex	B1B1A6
RGB	177, 177, 166
RGB Percent	69%, 69%, 65%
CMY	0.3051, 0.3050, 0.3482
CMYK	0.00, 0.00, 0.06, 0.31
HSL	60°, 7%, 67%
HSV	60°, 6%, 69%
XYZ	40.8442, 43.6590, 42.4497
YIQ	175.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

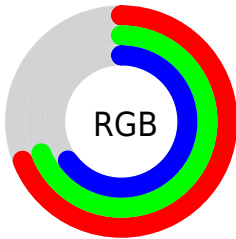
Format	Color
RYB	166, 177, 166
Decimal	11645350
CIELab	72.00, -2.00, 5.62
CIELCh	72, 5.963, 109.581
Yxy	43.6590, 0.3217, 0.3439
Android (android.graphics.Color)	4289835430 (0xFFB1B1A6)
YUV	175.7460, -4.8048, 1.0998
Hunter-Lab	66.0750, -5.2917, 8.1618

Details

The CIELCh color $72, 5.963, 109.581$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 6.060, 290.813$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 6.178, 109.671$, and $52, 5.785, 109.430$ is the 20% darker color. If you saturate the color by 10%, you get $72, 15.544, 108.644$, and if you desaturate by 10%, it is $72, 3.657, 290.560$.

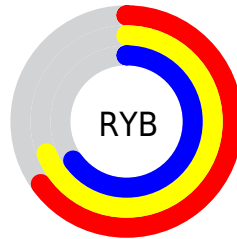
Distribution



Red (69%)

Green (69%)

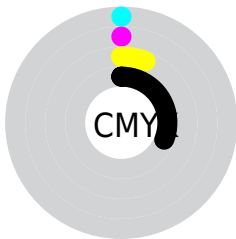
Blue (65%)



Red (65%)

Yellow (69%)

Blue (65%)

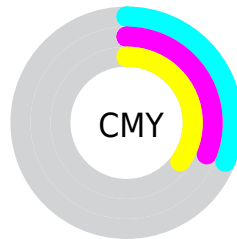


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 5.963, 109.581 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, 5.963, 109.581 by changing the saturation by 10% instead.

■ 72, 5.963, 109.581

■ 72, 5.963, 109.581

■ 100, 5.963,
109.581

■ 62, 5.963, 109.581

■ 92, 5.963, 109.581

■ 52, 5.963, 109.581

■ 42, 5.963, 109.581

■ 32, 5.963, 109.581

■ 22, 5.963, 109.581

■ 12, 5.963, 109.581

■ 2, 5.963, 109.581

■ 0, 5.963, 109.581

■ 72, 5.963, 109.581

■ 72, 5.963, 109.581

72, 15.544,
108.644

72, 3.657, 290.560

71, 25.023,
107.688

73, 13.284,
291.465

71, 34.314,
106.746

74, 22.889,
292.348

71, 43.279,
105.839

74, 32.453,
293.195

70, 51.708,
104.995

75, 41.963,
294.002

70, 59.296,
104.247

75, 42.063,
294.013

70, 65.634,
103.635

75, 42.063,
294.015

70, 70.279,
103.194

75, 42.063,
294.017

70, 72.973,

75, 42.063,
294.020

Harmonies

Complementary

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



72, 5.963, 109.581



69, 6.060, 290.813

Rectangle

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



72, 5.963, 109.581



72, 5.963, 159.581



72, 5.963, 289.581



72, 5.963, 339.581

Sweetspot

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



72, 5.965, 109.594



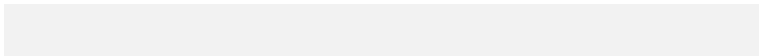
91, 2.364, 109.969



69, 4.212, 19.663



48, 1.342, 109.977



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, 5.965, 109.594



91, 8.296, 109.508



72, 6.350, 128.818



38, 4.377, 109.476



61, 66.185, 102.870



8, 13.294, 110.099

Inverse Universe

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



69, 6.060, 290.813



86, 8.441, 290.907



69, 6.416, 309.322



35, 4.457, 290.942



17, 91.388, 306.288



1, 13.317, 290.187

Previews

White Background



This preview shows how the CIELCh color 72, 5.963, 109.581 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 CIElCh color 72, 5.963, 109.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

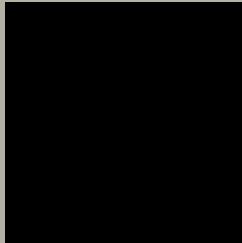
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

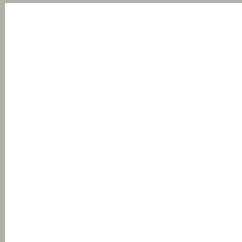
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 5.963, 109.581

Background



This preview shows how black text looks on a background with the CIELCh color 72, 5.963, 109.581.



This preview shows how white text looks on a background with the CIELCh color 72, 5.963, 109.581.

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, 5.963, 109.581

Protanopia

72, 6.384, 88.334

Deuteranopia

72, 10.540, 26.136



Tritanopia
72, 7.974, 306.878

Trichromacy



Original Color
72, 5.963, 109.581

Protanomaly
72, 6.150, 95.088

Deuteranomaly
72, 7.334, 46.112

Tritanomaly
72, 3.126, 318.871

Monochromacy



Original Color
72, 5.963, 109.581

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 2.166, 109.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 5.963, 109.581 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 5.963, 109.581 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, 166) }
```

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

```
.border{ border-color:rgb(177, 177, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 166);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 5.963, 109.581 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, 166) }
```

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

```
.background{ background-color: rgb(177,  
177, 166) }
```

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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