

Converting Colors

CIELCh(76, 3.680, 109.173)

Have a look what the booklet for
CIELCh(76, 3.680, 109.173) contains.

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Color

CIELCh(76, 3.750, 109.809)

Conversions

Conversions Part 1

Format	Color
Hex	BCBCB5
RGB	188, 188, 181
RGB Percent	74%, 74%, 71%
CMY	0.2634, 0.2634, 0.2909
CMYK	0.00, 0.00, 0.04, 0.26
HSL	60°, 5%, 72%
HSV	60°, 4%, 74%
XYZ	46.9619, 49.8872, 50.7742
YIQ	187.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

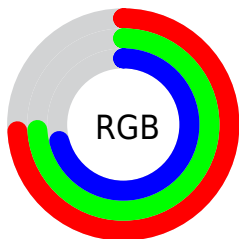
Format	Color
RYB	181, 188, 181
Decimal	12369077
CIELab	76.00, -1.27, 3.53
CIELCh	76, 3.750, 109.809
Yxy	49.8872, 0.3181, 0.3379
Android (android.graphics.Color)	4290559157 (0xFFBCBCB5)
YUV	187.2020, -3.0576, 0.6998
Hunter-Lab	70.6309, -4.9208, 6.8200

Details

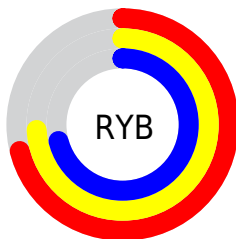
The CIELCh color $76, 3.750, 109.809$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $74, 3.799, 290.576$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 3.569, 109.881$, and $56, 3.987, 109.688$ is the 20% darker color. If you saturate the color by 10%, you get $76, 13.811, 108.884$, and if you desaturate by 10%, it is $77, 6.341, 290.794$.

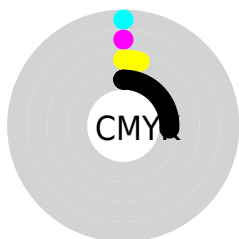
Distribution



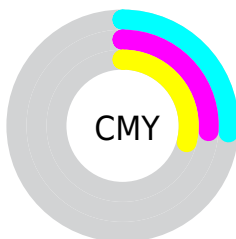
- Red (74%)
- Green (74%)
- Blue (71%)



- Red (71%)
- Yellow (74%)
- Blue (71%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 3.750, 109.809 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 76, 3.750, 109.809 by changing the saturation by 10% instead.

■ 76, 3.750, 109.809

■ 76, 3.750, 109.809

■ 100, 3.750,
109.809

■ 66, 3.750, 109.809

■ 96, 3.750, 109.809

■ 56, 3.750, 109.809

■ 46, 3.750, 109.809

■ 36, 3.750, 109.809

■ 26, 3.750, 109.809

■ 16, 3.750, 109.809

■ 6, 3.750, 109.809

■ 0, 3.750, 109.809

■ 76, 3.750, 109.809

■ 76, 3.750, 109.809

76, 13.811,
108.884

77, 6.341, 290.794

75, 23.782,
107.924

77, 16.431,
291.701

75, 33.581,
106.973

78, 26.492,
292.578

75, 43.076,
106.052

78, 36.000,
293.377

74, 52.067,
105.188

78, 36.001,
293.382

74, 60.253,
104.413

78, 36.001,
293.386

74, 67.227,
103.765

78, 36.001,
293.391

74, 72.516,
103.283

78, 36.001,
293.396

74, 75.751,

78, 36.001,
293.400

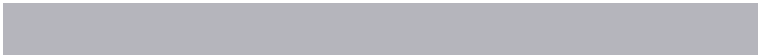
Harmonies

Complementary

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



76, 3.750, 109.809



74, 3.799, 290.576

Rectangle

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



76, 3.750, 109.809



76, 3.750, 159.809



76, 3.750, 289.809



76, 3.750, 339.809

Sweetspot

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



76, 3.752, 109.829



96, 1.240, 110.042



74, 2.626, 19.428



51, 0.705, 110.043



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



76, 3.752, 109.829



96, 4.993, 109.798



76, 3.990, 128.937



40, 2.863, 109.742



63, 67.797, 102.883



11, 16.898, 107.675

Inverse Universe

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



74, 3.799, 290.576



93, 5.057, 290.608



74, 4.027, 309.201



38, 2.902, 290.668



18, 93.613, 306.289



1, 17.439, 290.652

Previews

White Background



This preview shows how the CIELCh color 76, 3.750, 109.809 looks on a white background.

Color Contrast Check

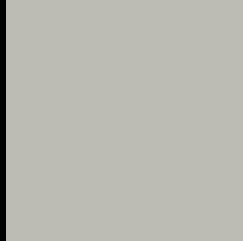
Large Text (above 18pt) WCAG AA × Fail

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 76, 3.750, 109.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

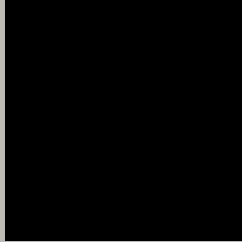
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

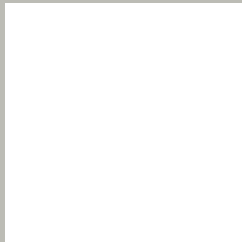
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 3.750, 109.809

Background



This preview shows how black text looks on a background with the CIELCh color 76, 3.750, 109.809.



This preview shows how white text looks on a background with the CIELCh color 76, 3.750, 109.809.

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


76, 3.750, 109.809

Protanopia

76, 3.918, 74.577

Deuteranopia

76, 9.909, 17.092



Tritanopia
76, 8.404, 305.865

Trichromacy



Original Color
76, 3.750, 109.809

Protanomaly
76, 3.908, 93.014

Deuteranomaly
76, 6.453, 24.609

Tritanomaly
76, 4.069, 311.640

Monochromacy



Original Color
76, 3.750, 109.809

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 1.066, 110.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 3.750, 109.809 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(188, 188, 181)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 181)  
}
```

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(188, 188, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 3.750, 109.809 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(188, 188, 181) }
```

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

```
.border{ border-color:rgb(188, 188, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 181);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 3.750, 109.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 181) }
```

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

```
.background{ background-color: rgb(188,  
188, 181) }
```

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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