

Converting Colors

CIELCh(73, 4.717, 32.023)

Have a look what the booklet for
CIELCh(73, 4.717, 32.023) contains.

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Color

CIELCh(73, 4.680, 33.011)

Conversions

Conversions Part 1

Format	Color
Hex	BDB1AF
RGB	189, 177, 175
RGB Percent	74%, 69%, 69%
CMY	0.2602, 0.3072, 0.3151
CMYK	0.00, 0.06, 0.07, 0.26
HSL	9°, 10%, 71%
HSV	9°, 7%, 74%
XYZ	44.2584, 45.1644, 46.7655
YIQ	180.3600, 7.7940, 1.9220

Conversions

Conversions Part 2

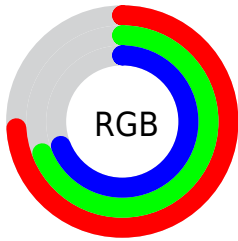
Format	Color
RYB	189, 177, 175
Decimal	12431791
CIELab	73.00, 3.92, 2.55
CIElCh	73, 4.680, 33.011
Yxy	45.1644, 0.3250, 0.3316
Android (android.graphics.Color)	4290621871 (0xFFBDB1AF)
YUV	180.3600, -2.6425, 5.7773
Hunter-Lab	67.2044, -0.0543, 5.7850

Details

The CIELCh color $73, 4.680, 33.011$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75, 4.466, 213.222$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 4.577, 39.217$, and $53, 4.912, 26.573$ is the 20% darker color. If you saturate the color by 10%, you get $68, 11.449, 33.265$, and if you desaturate by 10%, it is $78, 1.565, 213.438$.

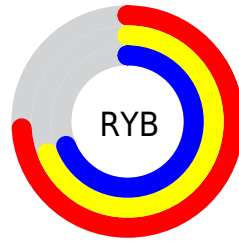
Distribution



Red (74%)

Green (69%)

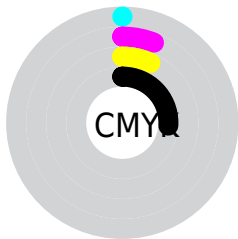
Blue (69%)



Red (74%)

Yellow (69%)

Blue (69%)

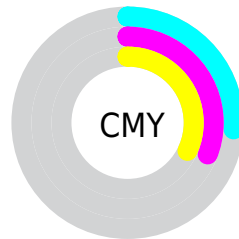


Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (31%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 4.680, 33.011 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 73, 4.680, 33.011 by changing the saturation by 10% instead.

 73, 4.680, 33.011  73, 4.680, 33.011

 100, 4.680, 33.011  63, 4.680, 33.011

 93, 4.680, 33.011  53, 4.680, 33.011

 43, 4.680, 33.011

 33, 4.680, 33.011

 23, 4.680, 33.011

 13, 4.680, 33.011

 3, 4.680, 33.011

 0, 4.680, 33.011

 73, 4.680, 33.011  73, 4.680, 33.011

68, 11.449, 33.265

78, 1.565, 213.438

64, 18.787, 33.594

82, 7.334, 213.208

59, 26.717, 34.105

87, 12.678,
213.275

55, 35.230, 34.857

92, 17.648,
213.406

51, 44.265, 35.898

48, 53.672, 37.256

96, 21.496,
198.094

45, 63.149, 38.875

43, 72.048, 40.494

41, 79.145, 41.564

Harmonies

Complementary

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



73, 4.680, 33.011



75, 4.466, 213.222

Rectangle

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



73, 4.680, 33.011



73, 4.680, 83.011



73, 4.680, 213.011



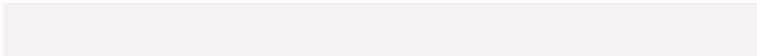
73, 4.680, 263.011

Sweetspot

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



73, 4.679, 33.036



95, 1.524, 32.688



73, 8.429, 328.707



51, 0.866, 32.665



98, 0.011, 296.813



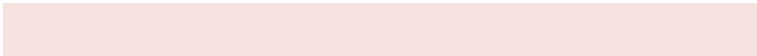
51, 0.007, 296.813

Same Dimension

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



73, 4.679, 33.036



91, 7.064, 33.077



75, 5.138, 87.398



37, 3.604, 33.082



34, 70.521, 42.090



3, 11.154, 28.511

Inverse Universe

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



75, 4.466, 213.222



94, 6.665, 213.210



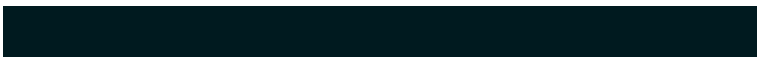
73, 5.129, 269.375



39, 3.395, 213.209



52, 30.552, 222.813



8, 9.796, 218.485

Previews

White Background



This preview shows how the CIELCh color 73, 4.680, 33.011 looks on a white background.

Color Contrast Check

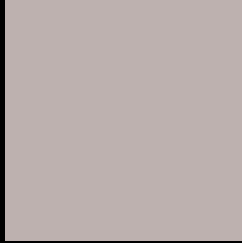
Large Text (above 18pt) WCAG AA × Fail

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 73, 4.680, 33.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

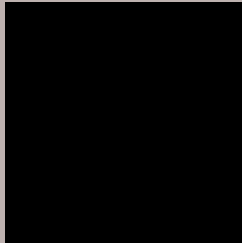
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 4.680, 33.011

Background



This preview shows how black text looks on a background with the CIELCh color 73, 4.680, 33.011.



This preview shows how white text looks on a background with the CIELCh color 73, 4.680, 33.011.

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


73, 4.680, 33.011

Protanopia

73, 2.161, 49.343

Deuteranopia

73, 9.635, 13.769



Tritanopia
73, 9.259, 330.574

Trichromacy



Original Color
73, 4.680, 33.011

Protanomaly
73, 2.846, 41.759

Deuteranomaly
73, 8.042, 16.191

Tritanomaly
73, 6.496, 344.196

Monochromacy



Original Color
73, 4.680, 33.011

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 1.588, 39.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 4.680, 33.011 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(189, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 175)  
}
```

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(189, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 4.680, 33.011 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(189, 177, 175) }
```

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

```
.border{ border-color:rgb(189, 177, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 177, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 4.680, 33.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 175) }
```

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

```
.background{ background-color: rgb(189,  
177, 175) }
```

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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