

Converting Colors

CIELCh(76, 12.543, 111.426)

Have a look what the booklet for
CIELCh(76, 12.543, 111.426)
contains.

CIELCh(76, 12.320, 110.808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 12.320, 110.808)

Conversions

Conversions Part 1

Format	Color
Hex	BCBDA6
RGB	188, 189, 166
RGB Percent	74%, 74%, 65%
CMY	0.2624, 0.2585, 0.3487
CMYK	0.01, 0.00, 0.12, 0.26
HSL	63°, 15%, 70%
HSV	63°, 12%, 74%
XYZ	45.8637, 49.8872, 43.3257
YIQ	186.0790, 6.7870, -7.3650

Conversions

Conversions Part 2

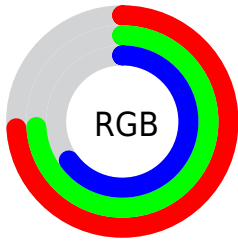
Format	Color
RYB	166, 189, 167
Decimal	12369318
CIELab	76.00, -4.38, 11.52
CIELCh	76, 12.320, 110.808
Yxy	49.8872, 0.3298, 0.3587
Android (android.graphics.Color)	4290559398 (0xFFBCBDA6)
YUV	186.0790, -9.8989, 1.6847
Hunter-Lab	70.6309, -7.6964, 13.0725

Details

The CIELCh color **76, 12.320, 110.808** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69, 12.667, 293.075**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 12.248, 110.931**, and **56, 12.508, 110.570** is the 20% darker color. If you saturate the color by 10%, you get **76, 22.373, 109.920**, and if you desaturate by 10%, it is **77, 2.191, 111.685**.

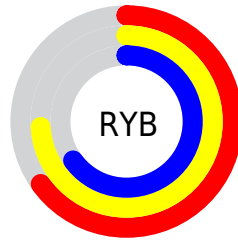
Distribution



Red (74%)

Green (74%)

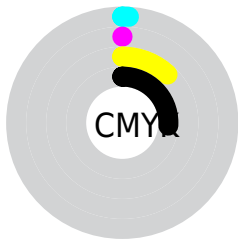
Blue (65%)



Red (65%)

Yellow (74%)

Blue (65%)

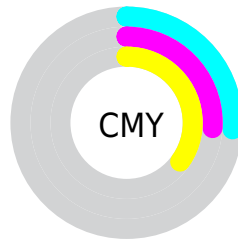


Cyan (1%)

Magenta (0%)

Yellow (12%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 12.320, 110.808 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, 12.320, 110.808 by changing the saturation by 10% instead.

 76, 12.320,
110.808


 76, 12.320,
110.808


 100, 12.320,
110.808


 66, 12.320,
110.808


 96, 12.320,
110.808

 56, 12.320,
110.808

 46, 12.320,
110.808

 36, 12.320,
110.808

 26, 12.320,
110.808

 16, 12.320,
110.808

 6, 12.320, 110.808

■ 0, 12.320, 110.808

■ 76, 12.320,
110.808

■ 76, 12.320,
110.808

■ 76, 22.373,
109.920

■ 77, 2.191, 111.685

■ 77, 7.967, 292.580

■ 75, 32.264,
109.030

■ 78, 18.117,
293.415

■ 75, 41.874,
108.168

■ 78, 28.232,
294.218

■ 74, 51.013,
107.361

■ 79, 35.313,
294.887

■ 74, 59.400,
106.648

■ 79, 35.324,
295.311

■ 74, 66.642,
106.072

■ 79, 35.337,

■ 74, 72.268,
105.688

295.737

■ 74, 75.872,
105.536

■ 79, 35.351,
296.163

■ 74, 77.515,
105.552

■ 79, 35.367,
296.590

Harmonies

Complementary

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



76, 12.320, 110.808



69, 12.667, 293.075

Rectangle

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



76, 12.320, 110.808



76, 12.320, 160.808



76, 12.320, 290.808



76, 12.320, 340.808

Sweetspot

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



76, 12.322, 110.815



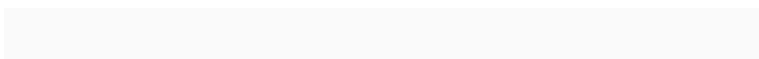
96, 4.997, 111.528



70, 8.620, 22.873



51, 3.551, 111.463



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, 12.322, 110.815



96, 18.722, 110.540



75, 13.241, 129.707



40, 5.732, 111.065



63, 67.898, 105.516



11, 16.940, 110.396

Inverse Universe

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



69, 12.667, 293.075



85, 19.379, 293.409



70, 13.450, 310.746



36, 5.858, 292.783



18, 93.378, 306.443



1, 17.449, 291.856

Previews

White Background



This preview shows how the CIELCh color 76, 12.320, 110.808 looks on a white background.

Color Contrast Check

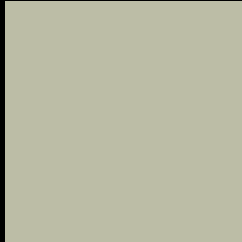
Large Text (above 18pt) WCAG AA × Fail

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 76, 12.320, 110.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

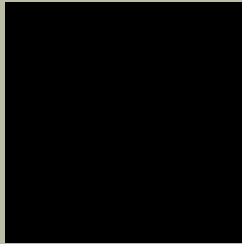
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

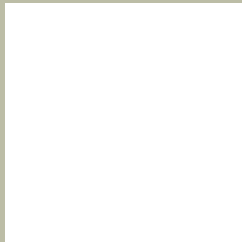
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 12.320, 110.808

Background



This preview shows how black text looks on a background with the CIELCh color 76, 12.320, 110.808.



This preview shows how white text looks on a background with the CIELCh color 76, 12.320, 110.808.

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, 12.320, 110.808

Protanopia

76, 12.291, 92.470

Deuteranopia

76, 14.174, 47.134



Tritanopia
76, 8.765, 312.779

Trichromacy



Original Color
76, 12.320, 110.808

Protanomaly
76, 12.460, 100.035

Deuteranomaly
76, 11.635, 67.142

Tritanomaly
76, 1.942, 3.230

Monochromacy



Original Color
76, 12.320, 110.808

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.291, 109.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 12.320, 110.808 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, 189, 166)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 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(188, 189, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 12.320, 110.808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

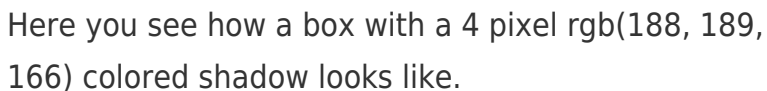
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 189, 166) }
```

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

```
.border{ border-color:rgb(188, 189, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 189, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 189, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 189, 166); box-shadow:4px 4px 4px 4px rgb(188, 189, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 12.320, 110.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 166) }
```

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

```
.background{ background-color: rgb(188,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor