

Converting Colors

CIELCh(76, 12.198, 109.020)

Have a look what the booklet for
CIELCh(76, 12.198, 109.020)
contains.

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Color

CIELCh(76, 12.310, 109.012)

Conversions

Conversions Part 1

Format	Color
Hex	BDBDA6
RGB	189, 189, 166
RGB Percent	74%, 74%, 65%
CMY	0.2593, 0.2593, 0.3495
CMYK	0.00, 0.00, 0.12, 0.26
HSL	60°, 15%, 70%
HSV	60°, 12%, 74%
XYZ	45.9923, 49.8872, 43.2180
YIQ	186.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

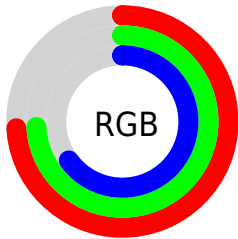
Format	Color
RYB	166, 189, 166
Decimal	12434854
CIELab	76.00, -4.01, 11.64
CIElCh	76, 12.310, 109.012
Yxy	49.8872, 0.3306, 0.3586
Android (android.graphics.Color)	4290624934 (0xFFBDBDA6)
YUV	186.3780, -10.0464, 2.2995
Hunter-Lab	70.6309, -7.3713, 13.1630

Details

The CIELCh color $76, 12.310, 109.012$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $69, 12.657, 291.461$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 12.239, 109.224$, and $56, 12.497, 108.668$ is the 20% darker color. If you saturate the color by 10%, you get $76, 22.346, 108.058$, and if you desaturate by 10%, it is $76, 2.199, 109.952$.

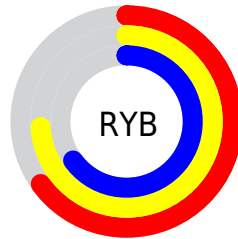
Distribution



Red (74%)

Green (74%)

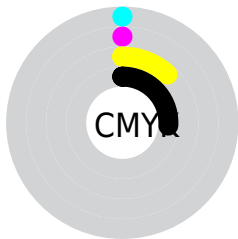
Blue (65%)



Red (65%)

Yellow (74%)

Blue (65%)

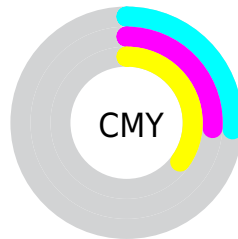


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 12.310, 109.012 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, 12.310, 109.012 by changing the saturation by 10% instead.


 76, 12.310,
109.012

 76, 12.310,
109.012


 100, 12.310,
109.012


 66, 12.310,
109.012


 96, 12.310,
109.012


 56, 12.310,
109.012

 46, 12.310,
109.012

 36, 12.310,
109.012

 26, 12.310,
109.012

 16, 12.310,
109.012

 6, 12.310, 109.012

■ 0, 12.310, 109.012

■ 76, 12.310,
109.012

■ 76, 12.310,
109.012

■ 76, 22.346,
108.058

■ 76, 2.199, 109.952

■ 77, 7.942, 290.924

■ 75, 32.223,
107.104

■ 78, 18.074,
291.828

■ 75, 41.819,
106.176

■ 78, 28.175,
292.701

■ 75, 50.945,
105.300

■ 79, 35.409,
293.306

■ 75, 59.316,
104.508

■ 79, 35.409,
293.308

■ 74, 66.537,
103.837

■ 79, 35.409,

■ 74, 72.136,
103.327

293.309

■ 74, 75.711,
103.007

■ 79, 35.409,
293.311

■ 74, 77.331,
102.863

■ 79, 35.409,
293.313

Harmonies

Complementary

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



76, 12.310, 109.012



69, 12.657, 291.461

Rectangle

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



76, 12.310, 109.012



76, 12.310, 159.012



76, 12.310, 289.012



76, 12.310, 339.012

Sweetspot

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



76, 12.312, 109.019



96, 4.993, 109.785



70, 8.906, 20.142



51, 3.548, 109.716



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, 12.312, 109.019



96, 18.707, 108.725



75, 13.136, 128.539



40, 5.728, 109.289



63, 67.797, 102.863



11, 16.898, 107.655

Inverse Universe

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



69, 12.657, 291.461



85, 19.364, 291.822



70, 13.359, 309.607



36, 5.854, 291.145



18, 93.615, 306.288



1, 17.439, 290.643

Previews

White Background



This preview shows how the CIELCh color 76, 12.310, 109.012 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, 12.310, 109.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

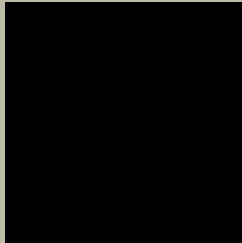
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

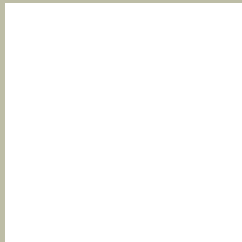
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 12.310, 109.012

Background



This preview shows how black text looks on a background with the CIELCh color 76, 12.310, 109.012.



This preview shows how white text looks on a background with the CIELCh color 76, 12.310, 109.012.

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, 12.310, 109.012

Protanopia

76, 12.291, 92.470

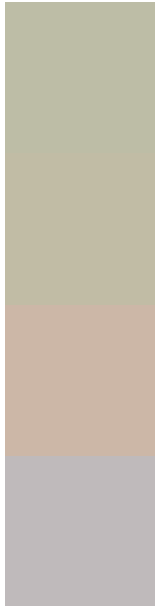
Deuteranopia

76, 14.535, 46.438



Tritanopia
76, 8.765, 312.779

Trichromacy



Original Color
76, 12.310, 109.012

Protanomaly
76, 12.460, 100.035

Deuteranomaly
76, 11.908, 65.742

Tritanomaly
76, 1.942, 3.230

Monochromacy



Original Color
76, 12.310, 109.012

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, 12.310, 109.012 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, 189, 166)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 76, 12.310, 109.012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

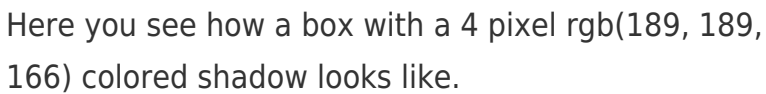
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

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

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

```
.border{ border-color:rgb(189, 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(189, 189, 166)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 76, 12.310, 109.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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