

Converting Colors

CIELCh(76, 10.509, 109.180)

Have a look what the booklet for
CIELCh(76, 10.509, 109.180)
contains.

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Color

CIELCh(76, 10.707, 109.164)

Conversions

Conversions Part 1

Format	Color
Hex	BDBDA9
RGB	189, 189, 169
RGB Percent	74%, 74%, 66%
CMY	0.2601, 0.2601, 0.3385
CMYK	0.00, 0.00, 0.11, 0.26
HSL	60°, 13%, 70%
HSV	60°, 11%, 74%
XYZ	46.1667, 49.8872, 44.5770
YIQ	186.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

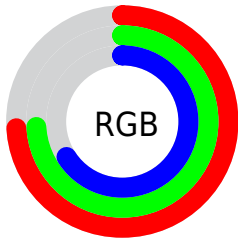
Format	Color
RYB	169, 189, 169
Decimal	12434857
CIELab	76.00, -3.51, 10.11
CIELCh	76, 10.707, 109.164
Yxy	49.8872, 0.3283, 0.3547
Android (android.graphics.Color)	4290624937 (0xFFBDBDA9)
YUV	186.7200, -8.7360, 1.9996
Hunter-Lab	70.6309, -6.9307, 12.0221

Details

The CIELCh color $76, 10.707, 109.164$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $70, 10.972, 291.284$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 10.710, 109.342$, and $56, 10.800, 108.875$ is the 20% darker color. If you saturate the color by 10%, you get $76, 20.752, 108.212$, and if you desaturate by 10%, it is $76, 0.597, 110.028$.

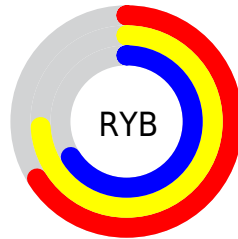
Distribution



Red (74%)

Green (74%)

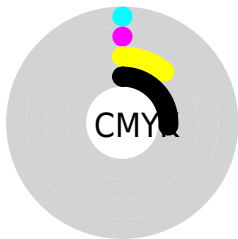
Blue (66%)



Red (66%)

Yellow (74%)

Blue (66%)

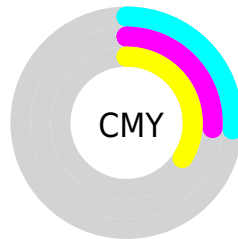


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 10.707, 109.164 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, 10.707, 109.164 by changing the saturation by 10% instead.


 76, 10.707,
109.164


 76, 10.707,
109.164


 100, 10.707,
109.164


 66, 10.707,
109.164


 96, 10.707,
109.164

 56, 10.707,
109.164

 46, 10.707,
109.164

 36, 10.707,
109.164

 26, 10.707,
109.164

 16, 10.707,
109.164

 6, 10.707, 109.164

■ 0, 10.707, 109.164

■ 76, 10.707,
109.164

■ 76, 10.707,
109.164

■ 76, 20.752,
108.212

■ 76, 0.597, 110.028

■ 75, 30.653,
107.255

■ 77, 9.536, 291.069

■ 75, 40.296,
106.322

■ 78, 19.657,
291.969

■ 75, 49.505,
105.436

■ 78, 29.743,
292.837

■ 75, 58.012,
104.629

■ 79, 35.515,
293.318

■ 74, 65.440,
103.936

■ 79, 35.515,
293.321

■ 79, 35.515,

■ 74, 71.323,
103.398

293.323

■ 74, 75.232,
103.047

■ 79, 35.515,
293.325

■ 74, 77.274,
102.866

■ 79, 35.515,
293.327

Harmonies

Complementary

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



76, 10.707, 109.164



70, 10.972, 291.284

Rectangle

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



76, 10.707, 109.164



76, 10.707, 159.164



76, 10.707, 289.164



76, 10.707, 339.164

Sweetspot

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



76, 10.709, 109.172



96, 3.742, 109.879



71, 7.696, 20.016



51, 2.837, 109.806



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, 10.709, 109.172



96, 16.221, 108.922



75, 11.419, 128.612



40, 5.728, 109.291



63, 67.797, 102.866



11, 16.898, 107.658

Inverse Universe

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



70, 10.972, 291.284



86, 16.714, 291.582



71, 11.591, 309.531



36, 5.854, 291.146



18, 93.614, 306.288



1, 17.439, 290.644

Previews

White Background



This preview shows how the CIELCh color 76, 10.707, 109.164 looks on a white background.

Color Contrast Check

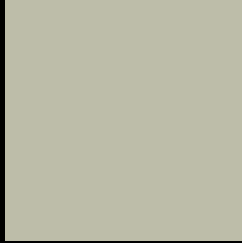
Large Text (above 18pt) WCAG AA × Fail

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, 10.707, 109.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

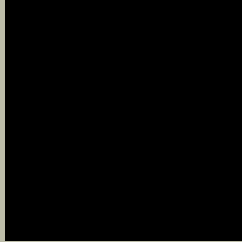
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

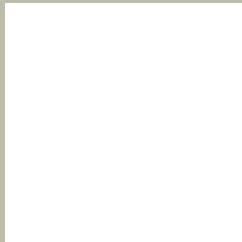
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 10.707, 109.164

Background



This preview shows how black text looks on a background with the CIELCh color 76, 10.707, 109.164.



This preview shows how white text looks on a background with the CIELCh color 76, 10.707, 109.164.

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, 10.707, 109.164

Protanopia

76, 10.634, 92.269

Deuteranopia

76, 13.529, 45.949



Tritanopia
76, 8.765, 312.779

Trichromacy



Original Color
76, 10.707, 109.164

Protanomaly
76, 10.876, 98.925

Deuteranomaly
76, 10.825, 63.533

Tritanomaly
76, 2.159, 349.446

Monochromacy



Original Color
76, 10.707, 109.164

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 3.754, 109.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 10.707, 109.164 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 10.707, 109.164 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, 169) }
```

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

```
.border{ border-color:rgb(189, 189, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 169);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 10.707, 109.164 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, 169) }
```

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

```
.background{ background-color: rgb(189,  
189, 169) }
```

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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