

Converting Colors

CIELCh(76, 8.645, 109.237)

Have a look what the booklet for
CIELCh(76, 8.645, 109.237) contains.

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Color

CIELCh(76, 8.576, 109.362)

Conversions

Conversions Part 1

Format	Color
Hex	BCBCAC
RGB	188, 188, 172
RGB Percent	74%, 74%, 67%
CMY	0.2611, 0.2611, 0.3239
CMYK	0.00, 0.00, 0.08, 0.26
HSL	60°, 11%, 71%
HSV	60°, 8%, 74%
XYZ	46.4037, 49.8872, 46.4234
YIQ	186.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

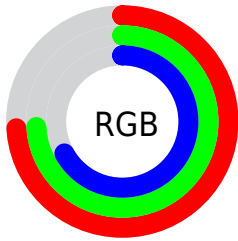
Format	Color
RYB	172, 188, 172
Decimal	12369068
CIELab	76.00, -2.84, 8.09
CIELCh	76, 8.576, 109.362
Yxy	49.8872, 0.3252, 0.3496
Android (android.graphics.Color)	4290559148 (0xFFBCBCAC)
YUV	186.1760, -6.9888, 1.5996
Hunter-Lab	70.6309, -6.3316, 10.4722

Details

The CIELCh color $76, 8.576, 109.362$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $71, 8.751, 291.053$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 8.678, 109.497$, and $56, 8.542, 109.142$ is the 20% darker color. If you saturate the color by 10%, you get $76, 18.629, 108.414$, and if you desaturate by 10%, it is $76, 1.531, 290.368$.

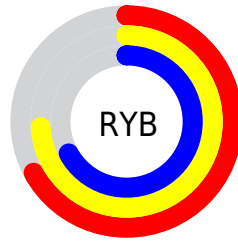
Distribution



Red (74%)

Green (74%)

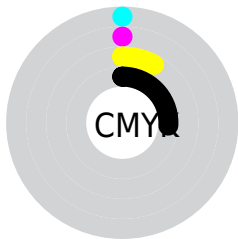
Blue (67%)



Red (67%)

Yellow (74%)

Blue (67%)

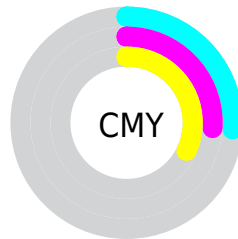


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 8.576, 109.362 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, 8.576, 109.362 by changing the saturation by 10% instead.

■ 76, 8.576, 109.362

■ 76, 8.576, 109.362

■ 100, 8.576,
109.362

■ 66, 8.576, 109.362

■ 96, 8.576, 109.362

■ 56, 8.576, 109.362

■ 46, 8.576, 109.362

■ 36, 8.576, 109.362

■ 26, 8.576, 109.362

■ 16, 8.576, 109.362

■ 6, 8.576, 109.362

■ 0, 8.576, 109.362

■ 76, 8.576, 109.362

■ 76, 8.576, 109.362

76, 18.629,
108.414

76, 1.531, 290.368

75, 28.557,
107.455

77, 11.652,
291.260

75, 38.256,
106.515

78, 21.756,
292.154

75, 47.565,
105.617

78, 31.821,
293.013

74, 56.238,
104.790

79, 35.659,
293.333

74, 63.922,
104.070

79, 35.659,
293.335

74, 70.164,
103.496

79, 35.659,
293.337

74, 74.510,
103.104

79, 35.659,
293.339

74, 76.893,

79, 35.659,
293.341

Harmonies

Complementary

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



76, 8.576, 109.362



71, 8.751, 291.053

Rectangle

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



76, 8.576, 109.362



76, 8.576, 159.362



76, 8.576, 289.362



76, 8.576, 339.362

Sweetspot

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



76, 8.578, 109.371



96, 3.742, 109.878



72, 6.113, 19.850



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, 8.578, 109.371



96, 12.485, 109.213



75, 9.140, 128.710



40, 5.728, 109.290



63, 67.797, 102.865



11, 16.898, 107.657

Inverse Universe

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



71, 8.751, 291.053



89, 12.780, 291.235



72, 9.255, 309.431



36, 5.854, 291.146



18, 93.615, 306.288



1, 17.439, 290.644

Previews

White Background



This preview shows how the CIELCh color 76, 8.576, 109.362 looks on a white background.

Color Contrast Check

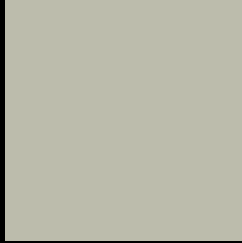
Large Text (above 18pt) WCAG AA × Fail

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, 8.576, 109.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

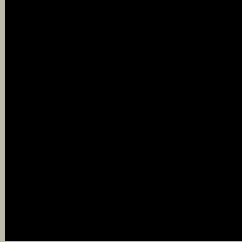
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

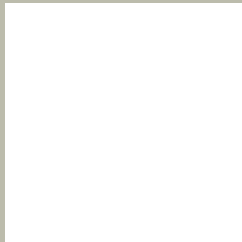
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 8.576, 109.362

Background



This preview shows how black text looks on a background with the CIELCh color 76, 8.576, 109.362.



This preview shows how white text looks on a background with the CIELCh color 76, 8.576, 109.362.

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, 8.576, 109.362

Protanopia

76, 8.978, 91.905

Deuteranopia

76, 11.870, 38.574



Tritanopia
76, 7.996, 309.363

Trichromacy



Original Color
76, 8.576, 109.362

Protanomaly
76, 8.699, 99.214

Deuteranomaly
76, 9.118, 59.971

Tritanomaly
76, 2.475, 338.680

Monochromacy



Original Color
76, 8.576, 109.362

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 3.213, 109.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 8.576, 109.362 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 8.576, 109.362 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, 172) }
```

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

```
.border{ border-color:rgb(188, 188, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 172);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 8.576, 109.362 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, 172) }
```

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

```
.background{ background-color: rgb(188,  
188, 172) }
```

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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