

Converting Colors

CIELCh(80, 3.787, 109.819)

Have a look what the booklet for
CIELCh(80, 3.787, 109.819) contains.

CIELCh(80, 3.710, 109.827)	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(80, 3.710, 109.827)

Conversions

Conversions Part 1

Format	Color
Hex	C7C7C0
RGB	199, 199, 192
RGB Percent	78%, 78%, 75%
CMY	0.2203, 0.2203, 0.2477
CMYK	0.00, 0.00, 0.04, 0.22
HSL	60°, 6%, 77%
HSV	60°, 4%, 78%
XYZ	53.3839, 56.6813, 57.8940
YIQ	198.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

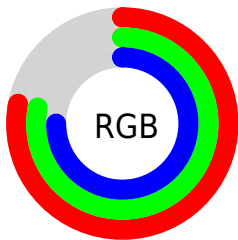
Format	Color
R_{YB}	192, 199, 192
Decimal	13092800
CIE Lab	80.00, -1.26, 3.49
CIE LCh	80, 3.710, 109.827
Yxy	56.6813, 0.3178, 0.3375
Android (android.graphics.Color)	4291282880 (0xFFC7C7C0)
YUV	198.2020, -3.0576, 0.6998
Hunter-Lab	75.2870, -5.1829, 7.1082

Details

The CIELCh color `80, 3.710, 109.827` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 3.758, 290.559`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 3.539, 109.892`, and `60, 3.372, 109.779` is the 20% darker color. If you saturate the color by 10%, you get `80, 14.249, 108.901`, and if you desaturate by 10%, it is `81, 6.860, 290.817`.

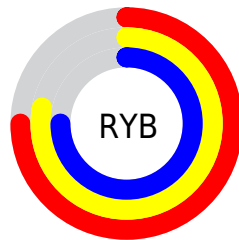
Distribution



Red (78%)

Green (78%)

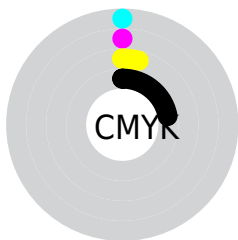
Blue (75%)



Red (75%)

Yellow (78%)

Blue (75%)

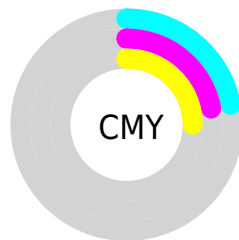


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (22%)



Cyan (22%)

Magenta (22%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.710, 109.827 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 80, 3.710, 109.827 by changing the saturation by 10% instead.

■ 80, 3.710, 109.827

■ 80, 3.710, 109.827

■ 100, 3.710,
109.827

■ 70, 3.710, 109.827

■ 60, 3.710, 109.827

■ 50, 3.710, 109.827

■ 40, 3.710, 109.827

■ 30, 3.710, 109.827

■ 20, 3.710, 109.827

■ 10, 3.710, 109.827

■ 0, 3.710, 109.827

■ 80, 3.710, 109.827

■ 80, 3.710, 109.827

80, 14.249,
108.901

81, 6.860, 290.817

79, 24.695,
107.937

81, 17.427,
291.726

79, 34.960,
106.982

82, 27.965,
292.606

78, 44.907,
106.058

82, 29.829,
292.764

78, 54.325,
105.190

82, 29.829,
292.770

78, 62.898,
104.412

82, 29.829,
292.777

78, 70.193,
103.762

82, 29.829,
292.784

78, 75.713,
103.281

82, 29.829,
292.790

78, 79.072,

82, 29.829,
292.797

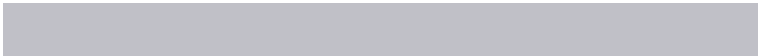
Harmonies

Complementary

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



80, 3.710, 109.827



78, 3.758, 290.559

Rectangle

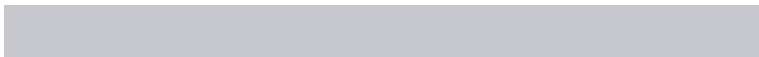
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 3.710, 109.827



80, 3.710, 159.827



80, 3.710, 289.827



80, 3.710, 339.827

Sweetspot

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



80, 3.712, 109.848



100, 1.282, 110.043



78, 2.597, 19.405



53, 0.729, 110.045



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 3.712, 109.848



100, 5.161, 109.799



80, 3.948, 128.947



42, 2.991, 109.741



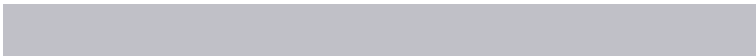
65, 69.400, 102.885



13, 20.289, 106.009

Inverse Universe

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



78, 3.758, 290.559



97, 5.227, 290.611



78, 3.983, 309.191



40, 3.031, 290.673



19, 95.825, 306.289



1, 21.510, 291.760

Previews

White Background



This preview shows how the CIELCh color 80, 3.710, 109.827 looks on a white background.

Color Contrast Check

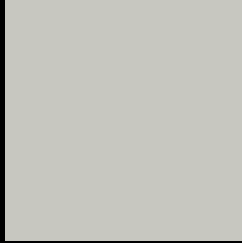
Large Text (above 18pt) WCAG AA × Fail

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 80, 3.710, 109.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

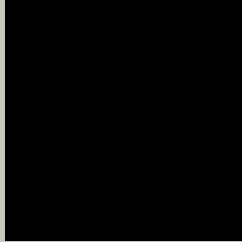
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

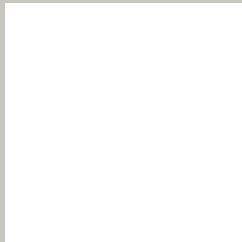
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.710, 109.827

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.710, 109.827.



This preview shows how white text looks on a background with the CIELCh color 80, 3.710, 109.827.

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


80, 3.710, 109.827

Protanopia

80, 3.875, 74.611

Deuteranopia

80, 10.174, 17.190



Tritanopia
80, 8.315, 305.845

Trichromacy



Original Color
80, 3.710, 109.827

Protanomaly
80, 3.866, 93.044

Deuteranomaly
80, 6.756, 24.347

Tritanomaly
80, 4.027, 311.631

Monochromacy



Original Color
80, 3.710, 109.827

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.054, 110.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.710, 109.827 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(199, 199, 192)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 192)  
}
```

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(199, 199, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.710, 109.827 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(199, 199, 192) }
```

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

```
.border{ border-color:rgb(199, 199, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 192);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.710, 109.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 192) }
```

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

```
.background{ background-color: rgb(199,  
199, 192) }
```

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