

Converting Colors

CIELCh(80, 3.773, 45.087)

Have a look what the booklet for
CIELCh(80, 3.773, 45.087) contains.

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Color

CIELCh(80, 3.952, 51.950)

Conversions

Conversions Part 1

Format	Color
Hex	CEC5C1
RGB	206, 197, 193
RGB Percent	81%, 77%, 76%
CMY	0.1935, 0.2288, 0.2445
CMYK	0.00, 0.04, 0.06, 0.19
HSL	18°, 12%, 78%
HSV	18°, 6%, 81%
XYZ	54.8309, 56.6813, 58.3001
YIQ	199.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

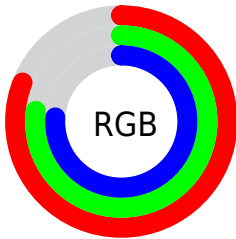
Format	Color
R _Y B	206, 199, 193
Decimal	13551041
CIE Lab	80.00, 2.44, 3.11
CIE LCh	80, 3.952, 51.950
Yxy	56.6813, 0.3229, 0.3338
Android (android.graphics.Color)	4291741121 (0xFFCEC5C1)
YUV	199.2350, -3.0739, 5.9329
Hunter-Lab	75.2870, -1.7522, 6.7884

Details

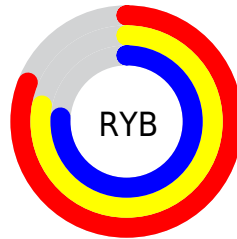
The CIELCh color **80, 3.952, 51.950** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 3.829, 233.155**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 2.547, 102.010**, and **60, 3.935, 44.978** is the 20% darker color. If you saturate the color by 10%, you get **76, 10.594, 51.413**, and if you desaturate by 10%, it is **84, 2.228, 233.040**.

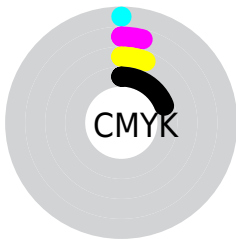
Distribution



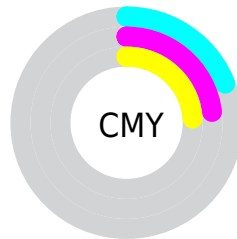
- Red (81%)
- Green (77%)
- Blue (76%)



- Red (81%)
- Yellow (78%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (19%)



- Cyan (19%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.952, 51.950 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, 3.952, 51.950 by changing the saturation by 10% instead.

80, 3.952, 51.950

80, 3.952, 51.950

100, 3.952, 51.950

70, 3.952, 51.950

60, 3.952, 51.950

50, 3.952, 51.950

40, 3.952, 51.950

30, 3.952, 51.950

20, 3.952, 51.950

10, 3.952, 51.950

0, 3.952, 51.950

80, 3.952, 51.950

80, 3.952, 51.950

76, 10.594, 51.413

84, 2.228, 233.040

72, 17.749, 50.844

88, 7.996, 233.598

68, 25.456, 50.349

93, 13.399,
234.311

64, 33.738, 49.955

96, 15.885,
201.084

60, 42.576, 49.673

57, 51.870, 49.491

97, 16.360,
198.419

54, 61.349, 49.328

51, 70.391, 48.960

49, 77.798, 47.919

Harmonies

Complementary

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



80, 3.952, 51.950



81, 3.829, 233.155

Rectangle

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



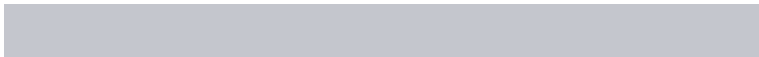
80, 3.952, 51.950



80, 3.952, 101.950



80, 3.952, 231.950



80, 3.952, 281.950

Sweetspot

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



80, 3.952, 51.984



99, 1.463, 51.997



79, 6.835, 334.663



53, 0.831, 51.982



0, 0.000, 0.000



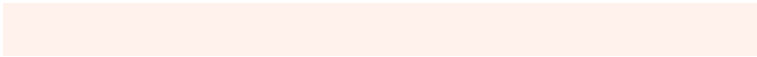
53, 0.007, 296.813

Same Dimension

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



80, 3.952, 51.984



96, 5.997, 51.894



82, 5.567, 99.665



41, 3.565, 51.822



39, 67.989, 48.093



6, 15.211, 37.923

Inverse Universe

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



81, 3.829, 233.155



97, 5.751, 233.274



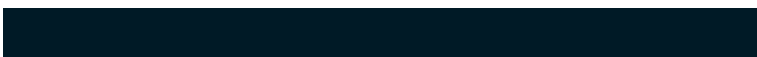
79, 5.620, 281.166



41, 3.393, 233.371



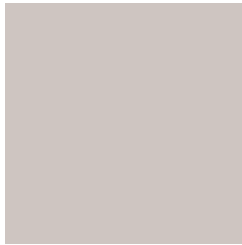
46, 35.784, 257.136



8, 12.152, 245.542

Previews

White Background



This preview shows how the CIELCh color 80, 3.952, 51.950 looks on a white background.

Color Contrast Check

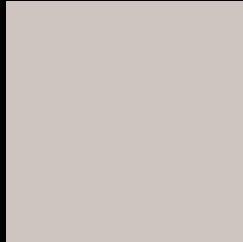
Large Text (above 18pt) WCAG AA × Fail

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, 3.952, 51.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

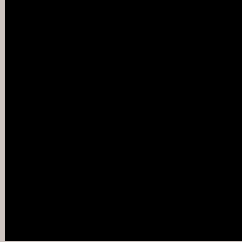
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

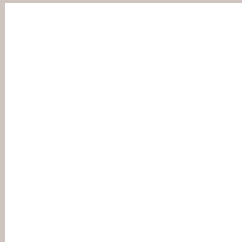
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.952, 51.950

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.952, 51.950.

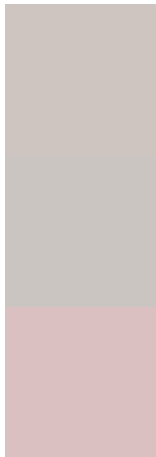


This preview shows how white text looks on a background with the CIELCh color 80, 3.952, 51.950.

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, 3.952, 51.950

Protanopia

80, 3.061, 63.252

Deuteranopia

80, 10.197, 14.221



Tritanopia
80, 9.515, 322.977

Trichromacy



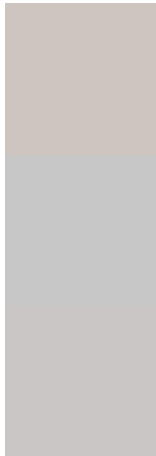
Original Color
80, 3.952, 51.950

Protanomaly
80, 3.342, 58.824

Deuteranomaly
80, 7.484, 19.923

Tritanomaly
80, 6.151, 336.011

Monochromacy



Original Color
80, 3.952, 51.950

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.216, 44.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.952, 51.950 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(206, 197, 193)` looks like.

```
.text, #text, p{  
    color:rgb(206, 197, 193)  
}
```

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(206, 197, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 197, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.952, 51.950 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(206, 197, 193) }
```

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

```
.border{ border-color:rgb(206, 197, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 197, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 197, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 197, 193);  
box-shadow:4px 4px 4px 4px rgb(206, 197,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.952, 51.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 197, 193) }
```

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

```
.background{ background-color: rgb(206,  
197, 193) }
```

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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