

Converting Colors

CIELCh(80, 2.460, 48.223)

Have a look what the booklet for
CIELCh(80, 2.460, 48.223) contains.

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Color

CIELCh(80, 2.449, 45.028)

Conversions

Conversions Part 1

Format	Color
Hex	CBC5C3
RGB	203, 197, 195
RGB Percent	80%, 77%, 76%
CMY	0.2032, 0.2267, 0.2346
CMYK	0.00, 0.03, 0.04, 0.20
HSL	15°, 7%, 78%
HSV	15°, 4%, 80%
XYZ	54.5527, 56.6813, 59.7985
YIQ	198.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

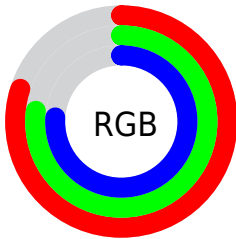
Format	Color
R _Y B	203, 198, 195
Decimal	13354435
CIE Lab	80.00, 1.73, 1.73
CIE LCh	80, 2.449, 45.028
Yxy	56.6813, 0.3190, 0.3314
Android (android.graphics.Color)	4291544515 (0xFFCBC5C3)
YUV	198.5660, -1.7580, 3.8886
Hunter-Lab	75.2870, -2.4116, 5.6084

Details

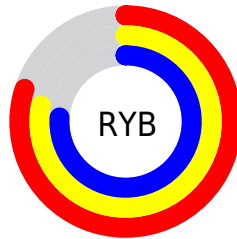
The CIELCh color $80, 2.449, 45.028$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 2.399, 225.880$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 1.059, 90.707$, and $60, 2.607, 45.027$ is the 20% darker color. If you saturate the color by 10%, you get $76, 9.019, 44.842$, and if you desaturate by 10%, it is $84, 3.637, 225.906$.

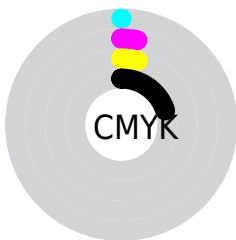
Distribution



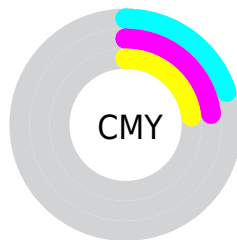
- Red (80%)
- Green (77%)
- Blue (76%)



- Red (80%)
- Yellow (78%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (20%)



- Cyan (20%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.449, 45.028 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, 2.449, 45.028 by changing the saturation by 10% instead.

■ 80, 2.449, 45.028

■ 80, 2.449, 45.028

■ 100, 2.449, 45.028

■ 70, 2.449, 45.028

■ 60, 2.449, 45.028

■ 50, 2.449, 45.028

■ 40, 2.449, 45.028

■ 30, 2.449, 45.028

■ 20, 2.449, 45.028

■ 10, 2.449, 45.028

■ 0, 2.449, 45.028

■ 80, 2.449, 45.028

■ 80, 2.449, 45.028

76, 9.019, 44.842	84, 3.637, 225.906
71, 16.126, 44.557	89, 9.290, 226.320
67, 23.814, 44.369	93, 14.343, 224.664
63, 32.109, 44.318	
59, 41.000, 44.431	97, 17.126, 198.370
56, 50.408, 44.715	
52, 60.116, 45.122	
49, 69.611, 45.475	
47, 77.786, 45.319	

Harmonies

Complementary

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



80, 2.449, 45.028



81, 2.399, 225.880

Rectangle

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



80, 2.449, 45.028



80, 2.449, 95.028



80, 2.449, 225.028



80, 2.449, 275.028

Sweetspot

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



80, 2.449, 45.081



99, 0.737, 44.569



80, 4.365, 332.517



53, 0.419, 44.526



0, 0.000, 0.000



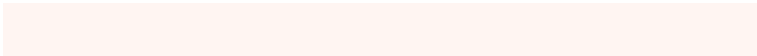
53, 0.007, 296.813

Same Dimension

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



80, 2.449, 45.081



97, 3.755, 45.082



81, 3.250, 96.717



42, 2.138, 45.075



37, 70.042, 45.506



6, 15.621, 33.817

Inverse Universe

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



81, 2.399, 225.880



98, 3.653, 225.890



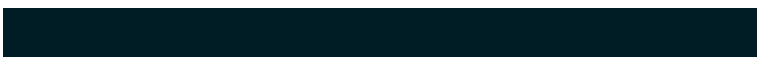
80, 3.275, 277.755



42, 2.072, 225.903



49, 33.083, 245.921



9, 11.801, 235.161

Previews

White Background



This preview shows how the CIELCh color 80, 2.449, 45.028 looks on a white background.

Color Contrast Check

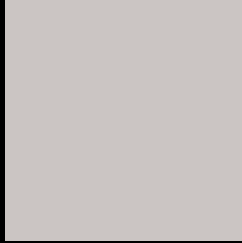
Large Text (above 18pt) WCAG AA × Fail

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, 2.449, 45.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

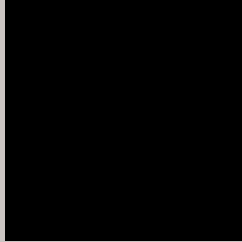
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

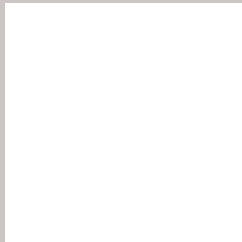
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.449, 45.028

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.449, 45.028.

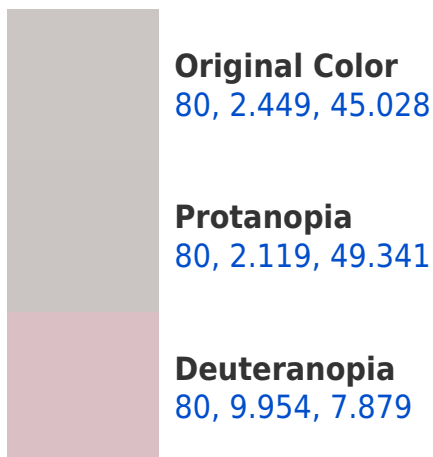



This preview shows how white text looks on a background with the CIELCh color 80, 2.449, 45.028.

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





Tritanopia
80, 8.816, 314.944

Trichromacy



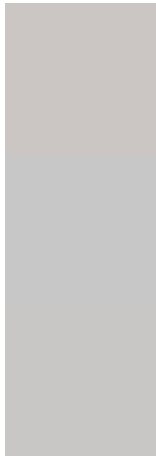
Original Color
80, 2.449, 45.028

Protanomaly
80, 2.119, 49.341

Deuteranomaly
80, 7.162, 11.394

Tritanomaly
80, 5.643, 321.568

Monochromacy



Original Color
80, 2.449, 45.028

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.102, 18.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 2.449, 45.028 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(203, 197, 195)` looks like.

```
.text, #text, p{  
    color:rgb(203, 197, 195)  
}
```

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(203, 197, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 197, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.449, 45.028 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(203, 197, 195) }
```

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

```
.border{ border-color:rgb(203, 197, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 197, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 197, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 197, 195);  
box-shadow:4px 4px 4px 4px rgb(203, 197,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.449, 45.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 197, 195) }
```

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

```
.background{ background-color: rgb(203,  
197, 195) }
```

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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