

Converting Colors

CIELCh(80, 14.036, 109.137)

Have a look what the booklet for
CIELCh(80, 14.036, 109.137)
contains.

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Color

CIELCh(80, 13.766, 108.928)

Conversions

Conversions Part 1

Format	Color
Hex	C8C8AE
RGB	200, 200, 174
RGB Percent	78%, 78%, 68%
CMY	0.2155, 0.2154, 0.3174
CMYK	0.00, 0.00, 0.13, 0.22
HSL	60°, 19%, 73%
HSV	60°, 13%, 78%
XYZ	52.1485, 56.6813, 48.2661
YIQ	197.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

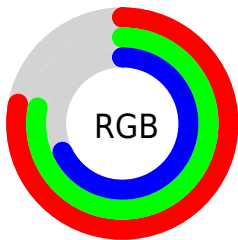
Format	Color
RYB	174, 200, 174
Decimal	13158574
CIELab	80.00, -4.47, 13.02
CIELCh	80, 13.766, 108.928
Yxy	56.6813, 0.3320, 0.3608
Android (android.graphics.Color)	4291348654 (0xFFC8C8AE)
YUV	197.0360, -11.3567, 2.5994
Hunter-Lab	75.2870, -8.1119, 14.6904

Details

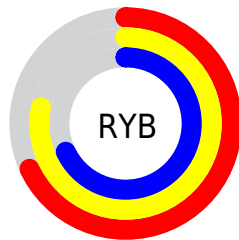
The CIELCh color **80, 13.766, 108.928** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 14.181, 291.561**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **60, 13.457, 108.634** is the 20% darker color. If you saturate the color by 10%, you get **80, 24.273, 107.970**, and if you desaturate by 10%, it is **80, 3.174, 109.879**.

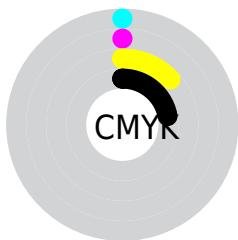
Distribution



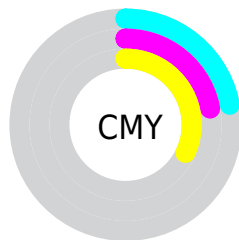
- Red (78%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)





- Cyan (22%)
- Magenta (22%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 13.766, 108.928 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, 13.766, 108.928 by changing the saturation by 10% instead.


 80, 13.766,
108.928


 80, 13.766,
108.928


 100, 13.766,
108.928


 70, 13.766,
108.928


 60, 13.766,
108.928

 50, 13.766,
108.928

 40, 13.766,
108.928

 30, 13.766,
108.928

 20, 13.766,
108.928

 10, 13.766,

108.928

■ 0, 13.766, 108.928

■ 80, 13.766,
108.928

■ 80, 13.766,
108.928

■ 80, 24.273,
107.970

■ 80, 3.174, 109.879

■ 79, 34.602,
107.013

■ 81, 7.451, 290.850

■ 79, 44.620,
106.086

■ 82, 18.071,
291.760

■ 79, 54.119,
105.214

■ 82, 28.659,
292.639

■ 79, 62.787,
104.429

■ 82, 29.143,
292.680

■ 82, 29.143,
292.682

■ 78, 70.195,
103.771

■ 82, 29.143,
292.684

■ 78, 75.841,
103.279

■ 82, 29.143,
292.686

■ 78, 79.327,
102.980

■ 82, 29.143,
292.688

■ 78, 80.725,
102.862

Harmonies

Complementary

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



80, 13.766, 108.928



72, 14.181, 291.561

Rectangle

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



80, 13.766, 108.928



80, 13.766, 158.928



80, 13.766, 288.928



80, 13.766, 338.928

Sweetspot

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



80, 13.768, 108.935



100, 5.161, 109.784



73, 9.995, 20.212



53, 3.669, 109.713



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, 13.768, 108.935



99, 20.619, 108.623



79, 14.695, 128.498



42, 5.982, 109.282



65, 69.399, 102.862



13, 20.289, 105.986

Inverse Universe

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



72, 14.181, 291.561



87, 21.395, 291.950



73, 14.960, 309.649



38, 6.114, 291.151



19, 95.827, 306.288



1, 21.510, 291.750

Previews

White Background



This preview shows how the CIELCh color 80, 13.766, 108.928 looks on a white background.

Color Contrast Check

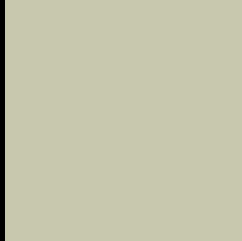
Large Text (above 18pt) WCAG AA × Fail

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 80, 13.766, 108.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

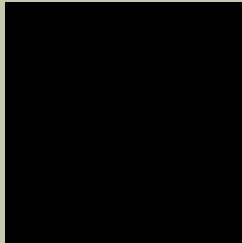
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

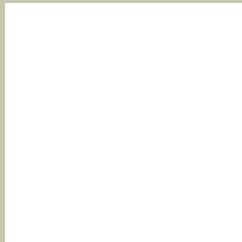
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 13.766, 108.928

Background



This preview shows how black text looks on a background with the CIELCh color 80, 13.766, 108.928.



This preview shows how white text looks on a background with the CIELCh color 80, 13.766, 108.928.

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, 13.766, 108.928

Protanopia

80, 13.799, 92.678

Deuteranopia

80, 15.885, 50.160



Tritanopia
80, 8.816, 314.944

Trichromacy



Original Color
80, 13.766, 108.928

Protanomaly
80, 13.957, 99.372

Deuteranomaly
80, 13.512, 67.838

Tritanomaly
80, 2.212, 19.330

Monochromacy



Original Color
80, 13.766, 108.928

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 4.777, 109.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 13.766, 108.928 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(200, 200, 174)` looks like.

```
.text, #text, p{  
    color:rgb(200, 200, 174)  
}
```

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(200, 200, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 200, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 13.766, 108.928 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(200, 200, 174) }
```

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

```
.border{ border-color:rgb(200, 200, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 200, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 200, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 200, 174);  
box-shadow:4px 4px 4px 4px rgb(200, 200,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 13.766, 108.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 200, 174) }
```

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

```
.background{ background-color: rgb(200,  
200, 174) }
```

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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