

Converting Colors

CIELCh(80, 8.781, 107.707)

Have a look what the booklet for
CIELCh(80, 8.781, 107.707) contains.

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Color

CIELCh(80, 8.490, 106.856)

Conversions

Conversions Part 1

Format	Color
Hex	C8C7B7
RGB	200, 199, 183
RGB Percent	78%, 78%, 72%
CMY	0.2148, 0.2188, 0.2815
CMYK	0.00, 0.00, 0.08, 0.21
HSL	56°, 13%, 75%
HSV	56°, 8%, 79%
XYZ	52.9180, 56.6813, 53.0662
YIQ	197.4750, 5.7320, -4.7640

Conversions

Conversions Part 2

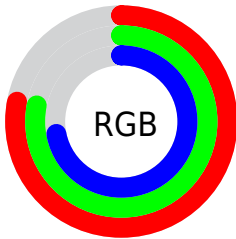
Format	Color
R_{YB}	184, 200, 183
Decimal	13158327
CIE Lab	80.00, -2.46, 8.13
CIE LCh	80, 8.490, 106.856
Yxy	56.6813, 0.3253, 0.3485
Android (android.graphics.Color)	4291348407 (0xFFC8C7B7)
YUV	197.4750, -7.1362, 2.2144
Hunter-Lab	75.2870, -6.2874, 10.9102

Details

The CIELCh color $80, 8.490, 106.856$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75, 8.645, 288.635$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 8.099, 109.562$, and $60, 8.439, 106.468$ is the 20% darker color. If you saturate the color by 10%, you get $79, 18.477, 105.854$, and if you desaturate by 10%, it is $81, 1.519, 287.933$.

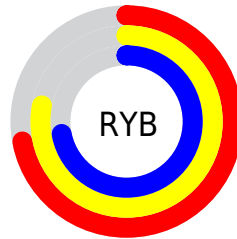
Distribution



Red (78%)

Green (78%)

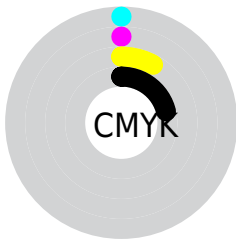
Blue (72%)



Red (72%)

Yellow (78%)

Blue (72%)

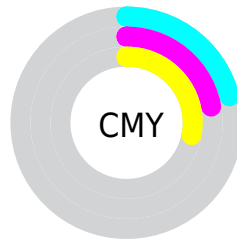


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.490, 106.856 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, 8.490, 106.856 by changing the saturation by 10% instead.

■ 80, 8.490, 106.856

■ 80, 8.490, 106.856

■ 100, 8.490,
106.856

■ 70, 8.490, 106.856

■ 60, 8.490, 106.856

■ 50, 8.490, 106.856

■ 40, 8.490, 106.856

■ 30, 8.490, 106.856

■ 20, 8.490, 106.856

■ 10, 8.490, 106.856

■ 0, 8.490, 106.856

■ 80, 8.490, 106.856

■ 80, 8.490, 106.856

79, 18.477,
105.854

81, 1.519, 287.933

79, 28.377,
104.829

82, 11.517,
288.852

78, 38.094,
103.810

83, 21.478,
289.783

77, 47.471,
102.815

83, 27.022,
289.930

77, 56.262,
101.867

84, 26.389,
288.978

76, 64.098,
100.992

84, 25.764,
287.983

76, 70.482,
100.220

84, 25.148,
286.941

76, 74.877, 99.573

84, 24.539,
285.849

75, 77.117, 99.045

85, 23.940,
284.705

Harmonies

Complementary

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



80, 8.490, 106.856



75, 8.645, 288.635

Rectangle

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



80, 8.490, 106.856



80, 8.490, 156.856



80, 8.490, 286.856



80, 8.490, 336.856

Sweetspot

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



80, 8.492, 106.867



100, 3.644, 107.395



76, 6.437, 14.447



53, 2.764, 107.320



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, 8.492, 106.867



99, 12.170, 106.701



80, 9.459, 126.319



42, 5.641, 106.778



62, 66.533, 99.029



13, 18.957, 102.738

Inverse Universe

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



75, 8.645, 288.635



92, 12.425, 288.823



76, 9.594, 307.102



39, 5.751, 288.736



19, 93.038, 305.471



2, 20.620, 290.233

Previews

White Background



This preview shows how the CIELCh color 80, 8.490, 106.856 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, 8.490, 106.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

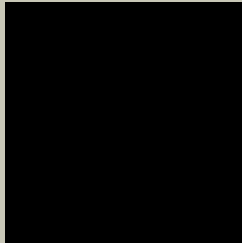
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

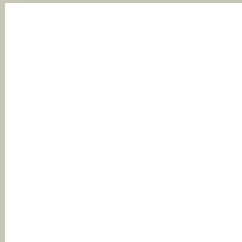
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.490, 106.856

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.490, 106.856.




This preview shows how white text looks on a background with the CIELCh color 80, 8.490, 106.856.

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, 9.168, 311.526

Trichromacy



Original Color
80, 8.490, 106.856

Protanomaly
80, 8.776, 94.361

Deuteranomaly
80, 9.297, 54.551

Tritanomaly
80, 3.081, 335.756

Monochromacy



Original Color
80, 8.490, 106.856

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.671, 101.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.490, 106.856 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, 199, 183)` looks like.

```
.text, #text, p{  
    color:rgb(200, 199, 183)  
}
```

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, 199, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 199, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.490, 106.856 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, 199, 183) }
```

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

```
.border{ border-color:rgb(200, 199, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 199, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 199, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 199, 183);  
box-shadow:4px 4px 4px 4px rgb(200, 199,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.490, 106.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 199, 183) }
```

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

```
.background{ background-color: rgb(200,  
199, 183) }
```

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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