

Converting Colors

CIELCh(80, 21.960, 98.685)

Have a look what the booklet for
CIELCh(80, 21.960, 98.685) contains.

CIELCh(80, 21.959, 98.843)	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, 21.959, 98.843)

Conversions

Conversions Part 1

Format	Color
Hex	D0C79E
RGB	208, 199, 158
RGB Percent	82%, 78%, 62%
CMY	0.1846, 0.2199, 0.3806
CMYK	0.00, 0.04, 0.24, 0.18
HSL	49°, 35%, 72%
HSV	49°, 24%, 82%
XYZ	52.5661, 56.6813, 40.4875
YIQ	197.0170, 18.5250, -10.8430

Conversions

Conversions Part 2

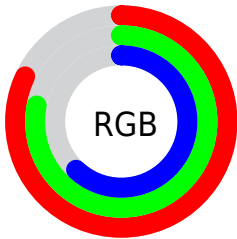
Format	Color
R_{YB}	169, 208, 158
Decimal	13682590
CIE _{Lab}	80.00, -3.38, 21.70
CIE _{LCh}	80, 21.959, 98.843
Yxy	56.6813, 0.3511, 0.3785
Android (android.graphics.Color)	4291872670 (0xFFD0C79E)
YUV	197.0170, -19.2354, 9.6321
Hunter-Lab	75.2870, -7.1218, 20.8161

Details

The CIELCh color **80, 21.959, 98.843** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 22.646, 284.770**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 21.222, 108.570**, and **60, 22.066, 98.725** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.103, 97.668**, and if you desaturate by 10%, it is **81, 12.796, 100.002**.

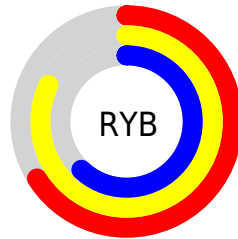
Distribution



Red (82%)

Green (78%)

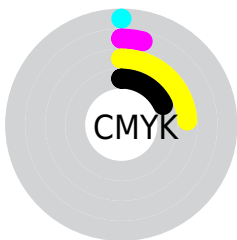
Blue (62%)



Red (66%)

Yellow (82%)

Blue (62%)

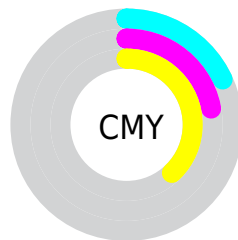


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (18%)



Cyan (18%)

Magenta (22%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 21.959, 98.843 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, 21.959, 98.843 by changing the saturation by 10% instead.

80, 21.959, 98.843

80, 21.959, 98.843

100, 21.959,
98.843

70, 21.959, 98.843

60, 21.959, 98.843

50, 21.959, 98.843

40, 21.959, 98.843

30, 21.959, 98.843

20, 21.959, 98.843

10, 21.959, 98.843

0, 21.959, 98.843

80, 21.959, 98.843

80, 21.959, 98.843

79, 31.103, 97.668

81, 12.796,
100.002

77, 40.125, 96.471

83, 3.666, 101.099

76, 48.859, 95.265

84, 5.401, 282.256

75, 57.019, 94.056

86, 14.388,
283.285

74, 64.158, 92.841

73, 69.656, 91.602

87, 19.735,
282.444

72, 72.874, 90.293

88, 17.991,
277.308

71, 73.912, 89.478

89, 16.420,
271.169

90, 15.071,
263.879

91, 14.007,
255.370

Harmonies

Complementary

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



80, 21.959, 98.843



69, 22.646, 284.770

Rectangle

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



80, 21.959, 98.843



80, 21.959, 148.843



80, 21.959, 278.843



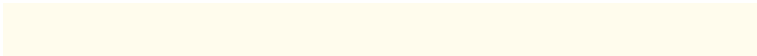
80, 21.959, 328.843

Sweetspot

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



80, 21.960, 98.849



99, 7.505, 100.778



70, 20.093, 7.028



53, 4.878, 100.712



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, 21.960, 98.849



95, 31.271, 98.226



81, 26.964, 121.072



43, 5.184, 100.522



59, 63.234, 89.703



13, 19.378, 93.261

Inverse Universe

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



69, 22.646, 284.770



79, 32.507, 285.646



68, 28.233, 303.950



41, 5.251, 282.707



23, 87.053, 302.897



3, 22.397, 288.573

Previews

White Background



This preview shows how the CIELCh color 80, 21.959, 98.843 looks on a white background.

Color Contrast Check

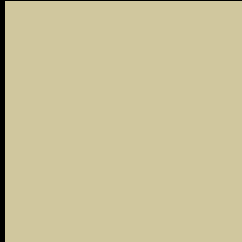
Large Text (above 18pt) WCAG AA × Fail

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, 21.959, 98.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

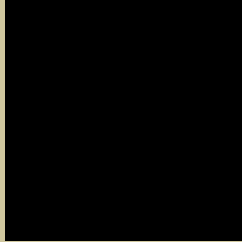
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.959, 98.843

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.959, 98.843.



This preview shows how white text looks on a background with the CIELCh color 80, 21.959, 98.843.

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, 21.959, 98.843

Protanopia

80, 22.302, 94.767

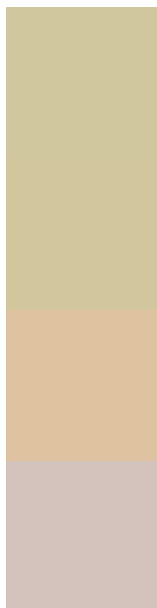
Deuteranopia

80, 23.210, 64.817



Tritanopia
80, 11.371, 335.715

Trichromacy



Original Color
80, 21.959, 98.843

Protanomaly
80, 22.210, 95.773

Deuteranomaly
80, 22.008, 76.603

Tritanomaly
80, 7.152, 46.154

Monochromacy



Original Color
80, 21.959, 98.843

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 8.033, 101.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.959, 98.843 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(208, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(208, 199, 158)  
}
```

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(208, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 199, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.959, 98.843 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(208, 199, 158) }
```

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

```
.border{ border-color:rgb(208, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(208, 199,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.959, 98.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 199, 158) }
```

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

```
.background{ background-color: rgb(208,  
199, 158) }
```

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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