

Converting Colors

CIELCh(80, 28.374, 105.517)

Have a look what the booklet for
CIELCh(80, 28.374, 105.517)
contains.

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Color

CIELCh(80, 28.424, 105.162)

Conversions

Conversions Part 1

Format	Color
Hex	CCC993
RGB	204, 201, 147
RGB Percent	80%, 79%, 58%
CMY	0.2002, 0.2120, 0.4237
CMYK	0.00, 0.01, 0.28, 0.20
HSL	57°, 36%, 69%
HSV	57°, 28%, 80%
XYZ	51.0220, 56.6813, 35.8334
YIQ	195.7410, 19.1220, -16.1580

Conversions

Conversions Part 2

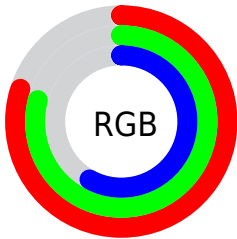
Format	Color
RYB	150, 204, 147
Decimal	13420947
CIELab	80.00, -7.43, 27.43
CIELCh	80, 28.424, 105.162
Yxy	56.6813, 0.3555, 0.3949
Android (android.graphics.Color)	4291611027 (0xFFCCC993)
YUV	195.7410, -24.0293, 7.2431
Hunter-Lab	75.2870, -10.7827, 24.4814

Details

The CIELCh color **80, 28.424, 105.162** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 30.172, 291.479**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 27.235, 108.110**, and **60, 28.290, 105.166** is the 20% darker color. If you saturate the color by 10%, you get **79, 38.350, 104.153**, and if you desaturate by 10%, it is **81, 18.315, 106.185**.

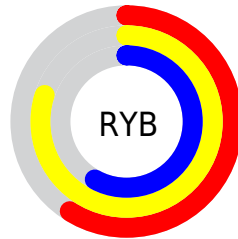
Distribution



Red (80%)

Green (79%)

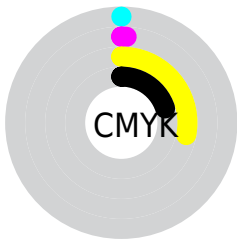
Blue (58%)



Red (59%)

Yellow (80%)

Blue (58%)

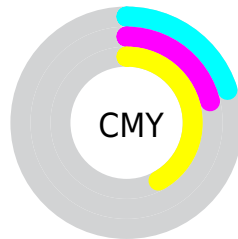


Cyan (0%)

Magenta (1%)

Yellow (28%)

Black (20%)



Cyan (20%)

Magenta (21%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 28.424, 105.162 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, 28.424, 105.162 by changing the saturation by 10% instead.


 80, 28.424,
105.162

 80, 28.424,
105.162


 100, 28.424,
105.162


 70, 28.424,
105.162

 60, 28.424,
105.162

 50, 28.424,
105.162

 40, 28.424,
105.162

 30, 28.424,
105.162

 20, 28.424,
105.162

 10, 28.424,

105.162

■ 0, 28.424, 105.162

■ 80, 28.424,
105.162

■ 80, 28.424,
105.162

■ 79, 38.350,
104.153

■ 81, 18.315,
106.185

■ 79, 47.932,
103.165

■ 81, 8.116, 107.192

■ 78, 56.923,
102.225

■ 82, 2.110, 288.237

■ 78, 64.954,
101.362

■ 83, 12.324,
289.168

■ 77, 71.524,
100.605

■ 84, 22.500,
290.094

■ 84, 25.117,
289.732

■ 77, 76.092, 99.979

■ 85, 24.543,
288.798

■ 77, 78.430, 99.483

■ 85, 23.976,
287.822

■ 77, 78.797, 99.388

■ 85, 23.416,
286.801

Harmonies

Complementary

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



80, 28.424, 105.162



64, 30.172, 291.479

Rectangle

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



80, 28.424, 105.162



80, 28.424, 155.162



80, 28.424, 285.162



80, 28.424, 335.162

Sweetspot

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



80, 28.426, 105.166



99, 9.795, 107.176



66, 22.981, 16.526



53, 6.962, 107.025



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, 28.426, 105.166



97, 41.304, 104.506



79, 31.546, 125.346



43, 5.795, 107.048



64, 67.580, 99.441



14, 20.678, 102.507

Inverse Universe

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



64, 30.172, 291.479



73, 44.591, 292.537



65, 32.987, 308.184



39, 5.910, 289.002



20, 94.437, 305.568



2, 22.667, 291.156

Previews

White Background



This preview shows how the CIELCh color 80, 28.424, 105.162 looks on a white background.

Color Contrast Check

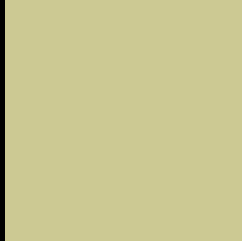
Large Text (above 18pt) WCAG AA × Fail

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, 28.424, 105.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

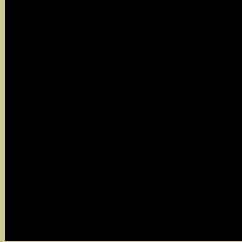
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

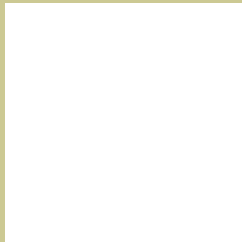
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 28.424, 105.162

Background



This preview shows how black text looks on a background with the CIELCh color 80, 28.424, 105.162.



This preview shows how white text looks on a background with the CIELCh color 80, 28.424, 105.162.

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, 28.424, 105.162

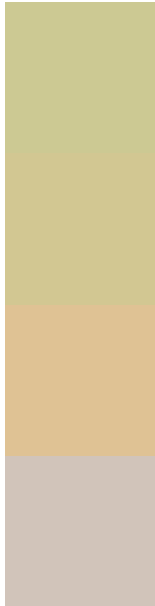
Protanopia
80, 28.120, 95.170

Deuteranopia
80, 28.549, 69.042



Tritanopia
80, 10.613, 331.429

Trichromacy



Original Color
80, 28.424, 105.162

Protanomaly
80, 28.289, 98.573

Deuteranomaly
80, 27.205, 82.187

Tritanomaly
80, 7.225, 66.770

Monochromacy



Original Color
80, 28.424, 105.162

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 10.618, 107.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 28.424, 105.162 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(204, 201, 147)` looks like.

```
.text, #text, p{  
    color:rgb(204, 201, 147)  
}
```

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(204, 201, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 201, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 28.424, 105.162 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(204, 201, 147) }
```

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

```
.border{ border-color:rgb(204, 201, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 201, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 201, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 201, 147);  
box-shadow:4px 4px 4px 4px rgb(204, 201,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 28.424, 105.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 201, 147) }
```

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

```
.background{ background-color: rgb(204,  
201, 147) }
```

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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