

Converting Colors

CIELCh(80, 7.992, 101.837)

Have a look what the booklet for
CIELCh(80, 7.992, 101.837) contains.

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Color

CIELCh(80, 8.025, 101.341)

Conversions

Conversions Part 1

Format	Color
Hex	CAC7B8
RGB	202, 199, 184
RGB Percent	79%, 78%, 72%
CMY	0.2090, 0.2207, 0.2795
CMYK	0.00, 0.01, 0.09, 0.21
HSL	50°, 14%, 76%
HSV	50°, 9%, 79%
XYZ	53.2598, 56.6813, 53.3265
YIQ	198.1870, 6.6030, -4.0290

Conversions

Conversions Part 2

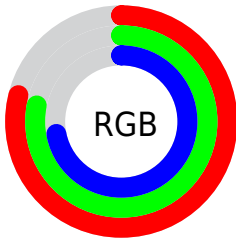
Format	Color
R _Y B	188, 202, 184
Decimal	13289400
CIE Lab	80.00, -1.58, 7.87
CIE LCh	80, 8.025, 101.341
Yxy	56.6813, 0.3262, 0.3472
Android (android.graphics.Color)	4291479480 (0xFFCAC7B8)
YUV	198.1870, -6.9942, 3.3440
Hunter-Lab	75.2870, -5.4770, 10.7052

Details

The CIELCh color **80, 8.025, 101.341** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76, 8.133, 283.395**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 7.593, 109.599**, and **60, 7.953, 100.522** is the 20% darker color. If you saturate the color by 10%, you get **79, 17.073, 100.236**, and if you desaturate by 10%, it is **81, 0.979, 282.607**.

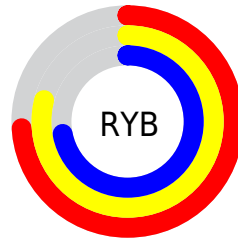
Distribution



Red (79%)

Green (78%)

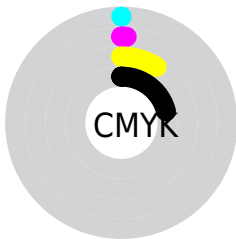
Blue (72%)



Red (74%)

Yellow (79%)

Blue (72%)

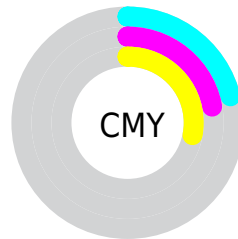


Cyan (0%)

Magenta (1%)

Yellow (9%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.025, 101.341 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, 8.025, 101.341 by changing the saturation by 10% instead.

■ 80, 8.025, 101.341

■ 80, 8.025, 101.341

■ 100, 8.025,
101.341

■ 70, 8.025, 101.341

■ 60, 8.025, 101.341

■ 50, 8.025, 101.341

■ 40, 8.025, 101.341

■ 30, 8.025, 101.341

■ 20, 8.025, 101.341

■ 10, 8.025, 101.341

■ 0, 8.025, 101.341

■ 80, 8.025, 101.341

■ 80, 8.025, 101.341

79, 17.073, 100.236	81, 0.979, 282.607
77, 26.118, 99.086	83, 9.920, 283.532
76, 35.089, 97.918	84, 18.785, 284.537
75, 43.855, 96.740	85, 22.696, 283.423
74, 52.200, 95.563	86, 21.079, 279.537
73, 59.773, 94.391	87, 19.572, 275.056
72, 66.054, 93.221	88, 18.203, 269.894
71, 70.407, 92.030	89, 17.002, 263.980
70, 72.567, 90.782	90, 16.005, 257.285

Harmonies

Complementary

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



80, 8.025, 101.341



76, 8.133, 283.395

Rectangle

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



80, 8.025, 101.341



80, 8.025, 151.341



80, 8.025, 281.341



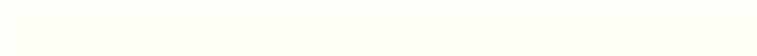
80, 8.025, 331.341

Sweetspot

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



80, 8.027, 101.353



99, 3.252, 101.967



76, 6.953, 6.560



53, 2.467, 101.889



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, 8.027, 101.353



98, 11.982, 101.108



80, 9.811, 122.576



42, 5.152, 101.301



58, 62.961, 90.841



12, 18.185, 94.737

Inverse Universe

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



76, 8.133, 283.395



92, 12.170, 283.672



76, 9.981, 303.539



40, 5.223, 283.454



22, 87.142, 303.262



3, 20.830, 287.996

Previews

White Background



This preview shows how the CIELCh color 80, 8.025, 101.341 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, 8.025, 101.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

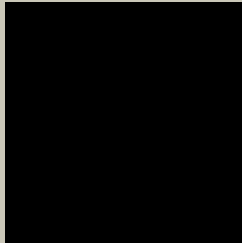
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

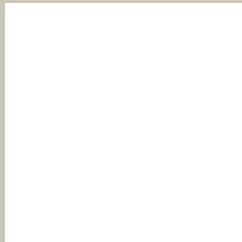
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.025, 101.341

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.025, 101.341.



This preview shows how white text looks on a background with the CIELCh color 80, 8.025, 101.341.

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, 8.025, 101.341

Protanopia

80, 8.374, 90.970

Deuteranopia

80, 12.305, 35.185



Tritanopia
80, 8.972, 317.058

Trichromacy



Original Color
80, 8.025, 101.341

Protanomaly
80, 8.263, 93.481

Deuteranomaly
80, 9.322, 50.610

Tritanomaly
80, 3.649, 343.857

Monochromacy



Original Color
80, 8.025, 101.341

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, 8.025, 101.341 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(202, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(202, 199, 184)  
}
```

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(202, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 199, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.025, 101.341 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(202, 199, 184) }
```

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

```
.border{ border-color:rgb(202, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 199, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 199, 184);  
box-shadow:4px 4px 4px 4px rgb(202, 199,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.025, 101.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 199, 184) }
```

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

```
.background{ background-color: rgb(202,  
199, 184) }
```

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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