

Converting Colors

CIELCh(80, 1.349, 123.077)

Have a look what the booklet for
CIELCh(80, 1.349, 123.077) contains.

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Color

CIELCh(80, 1.632, 123.005)

Conversions

Conversions Part 1

Format	Color
Hex	C6C7C4
RGB	198, 199, 196
RGB Percent	78%, 78%, 77%
CMY	0.2245, 0.2205, 0.2323
CMYK	0.01, 0.00, 0.02, 0.22
HSL	80°, 3%, 77%
HSV	80°, 2%, 78%
XYZ	53.5274, 56.6813, 60.1980
YIQ	198.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

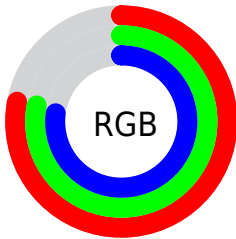
Format	Color
R_{YB}	196, 199, 197
Decimal	13027268
CIE Lab	80.00, -0.89, 1.37
CIE LCh	80, 1.632, 123.005
Yxy	56.6813, 0.3141, 0.3326
Android (android.graphics.Color)	4291217348 (0xFFC6C7C4)
YUV	198.3590, -1.1630, -0.3148
Hunter-Lab	75.2870, -4.8426, 5.2938

Details

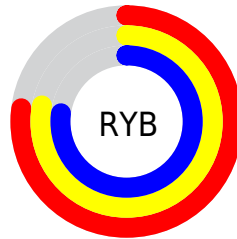
The CIELCh color `80, 1.632, 123.005` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79, 1.657, 303.121`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.003, 110.026`, and `60, 1.732, 122.969` is the 20% darker color. If you saturate the color by 10%, you get `79, 12.512, 122.463`, and if you desaturate by 10%, it is `81, 9.228, 303.505`.

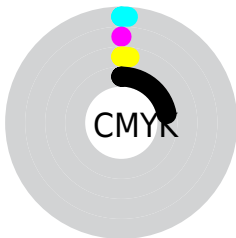
Distribution



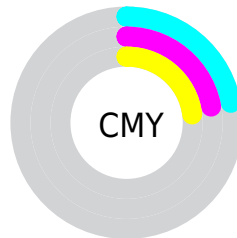
- Red (78%)
- Green (78%)
- Blue (77%)



- Red (77%)
- Yellow (78%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (22%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.632, 123.005 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, 1.632, 123.005 by changing the saturation by 10% instead.

■ 80, 1.632, 123.005

■ 80, 1.632, 123.005

■ 100, 1.632,
123.005

■ 70, 1.632, 123.005

■ 60, 1.632, 123.005

■ 50, 1.632, 123.005

■ 40, 1.632, 123.005

■ 30, 1.632, 123.005

■ 20, 1.632, 123.005

■ 10, 1.632, 123.005

■ 0, 1.632, 123.005

■ 80, 1.632, 123.005

■ 80, 1.632, 123.005

79, 12.512,
122.463

81, 9.228, 303.505

78, 23.348,
121.904

82, 20.030,
303.991

77, 34.053,
121.346

83, 30.543,
304.511

76, 44.502,
120.815

84, 31.065,
308.577

76, 54.509,
120.349

84, 31.733,
312.545

75, 63.796,
120.010

85, 32.541,
316.381

75, 71.977,
119.886

86, 33.484,
320.062

74, 78.578,
120.087

86, 34.553,
323.570

74, 83.173,

87, 35.274,
325.651

120.723

Harmonies

Complementary

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



80, 1.632, 123.005



79, 1.657, 303.121

Rectangle

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



80, 1.632, 123.005



80, 1.632, 173.005



80, 1.632, 303.005



80, 1.632, 353.005

Sweetspot

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



80, 1.634, 123.035

100, 0.012, 296.813



80, 0.899, 55.040



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 1.634, 123.035



100, 2.652, 122.998



80, 1.844, 139.848



42, 1.229, 123.008



61, 73.906, 121.345



12, 21.579, 124.413

Inverse Universe

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



79, 1.657, 303.121



98, 2.683, 303.158



79, 1.863, 319.751



41, 1.244, 303.148



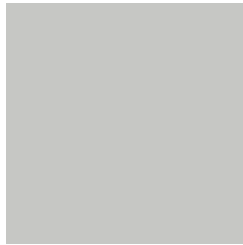
22, 92.327, 308.888



2, 21.875, 300.541

Previews

White Background



This preview shows how the CIELCh color 80, 1.632, 123.005 looks on a white background.

Color Contrast Check

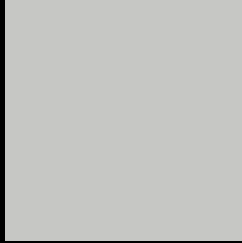
Large Text (above 18pt) WCAG AA × Fail

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, 1.632, 123.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

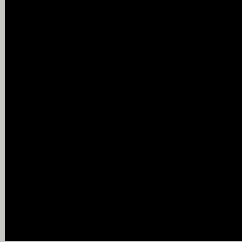
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

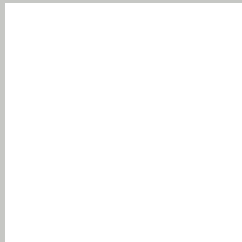
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.632, 123.005

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.632, 123.005.



This preview shows how white text looks on a background with the CIELCh color 80, 1.632, 123.005.

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, 1.632, 123.005

Protanopia

80, 2.119, 49.341

Deuteranopia

80, 10.065, 4.921



Tritanopia
80, 8.678, 300.389

Trichromacy



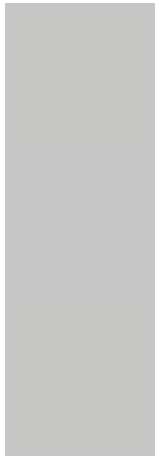
Original Color
80, 1.632, 123.005

Protanomaly
80, 1.742, 84.942

Deuteranomaly
80, 6.519, 5.714

Tritanomaly
80, 4.867, 299.131

Monochromacy



Original Color
80, 1.632, 123.005

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.522, 110.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.632, 123.005 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(198, 199, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 199, 196)  
}
```

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(198, 199, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 199, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.632, 123.005 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(198, 199, 196) }
```

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

```
.border{ border-color:rgb(198, 199, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 199, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 199, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 199, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 199,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.632, 123.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 199, 196) }
```

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

```
.background{ background-color: rgb(198,  
199, 196) }
```

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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