

# Converting Colors

CIELCh(80, 7.756, 41.293)

Have a look what the booklet for  
CIELCh(80, 7.756, 41.293) contains.

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# **Color**

**CIELCh(80, 8.005, 39.199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C2BD
RGB	214, 194, 189
RGB Percent	84%, 76%, 74%
CMY	0.1600, 0.2384, 0.2580
CMYK	0.00, 0.09, 0.12, 0.16
HSL	12°, 23%, 79%
HSV	12°, 12%, 84%
XYZ	56.3334, 56.6813, 56.2282
YIQ	199.4100, 13.5250, 2.6850

# Conversions

## Conversions Part 2

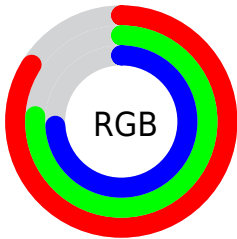
Format	Color
R <sub>Y</sub> B	214, 195, 189
Decimal	14074557
CIE Lab	80.00, 6.20, 5.06
CIE LCh	80, 8.005, 39.199
Yxy	56.6813, 0.3329, 0.3349
Android (android.graphics.Color)	4292264637 (0xFFD6C2BD)
YUV	199.4100, -5.1321, 12.7954
Hunter-Lab	75.2870, 1.8102, 8.4201

# Details

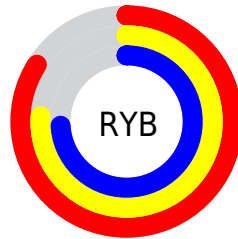
The CIELCh color **80, 8.005, 39.199** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 7.436, 219.923**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.077, 74.798**, and **60, 7.990, 36.380** is the 20% darker color. If you saturate the color by 10%, you get **75, 15.490, 39.181**, and if you desaturate by 10%, it is **85, 1.100, 38.942**.

# Distribution



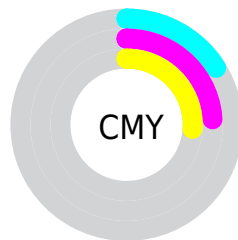
- Red (84%)
- Green (76%)
- Blue (74%)



- Red (84%)
- Yellow (76%)
- Blue (74%)



- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (16%)



- Cyan (16%)
- Magenta (24%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.005, 39.199 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, 8.005, 39.199 by changing the saturation by 10% instead.



80, 8.005, 39.199

80, 8.005, 39.199

100, 8.005, 39.199

70, 8.005, 39.199

60, 8.005, 39.199

50, 8.005, 39.199

40, 8.005, 39.199

30, 8.005, 39.199

20, 8.005, 39.199

10, 8.005, 39.199

0, 8.005, 39.199

80, 8.005, 39.199

80, 8.005, 39.199

75, 15.490, 39.181

85, 1.100, 38.942

71, 23.605, 39.260

90, 5.278, 219.821

66, 32.374, 39.507

95, 11.187,  
220.070

62, 41.788, 39.962

97, 13.667,  
198.594

58, 51.766, 40.651

54, 62.105, 41.556

51, 72.336, 42.537

49, 81.417, 43.178

47, 87.279, 43.270

# Harmonies

# Complementary

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



80, 8.005, 39.199



83, 7.436, 219.923

# Rectangle

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



80, 8.005, 39.199



80, 8.005, 89.199



80, 8.005, 219.199



80, 8.005, 269.199

# Sweetspot

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



80, 8.004, 39.216



98, 3.062, 39.200



79, 14.068, 331.233



52, 2.183, 39.219



0, 0.000, 0.000



53, 0.007, 296.813

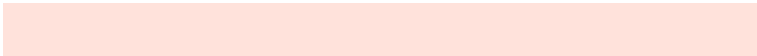


# Same Dimension

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



80, 8.004, 39.216



92, 11.171, 39.201



83, 9.622, 92.248



42, 3.856, 39.229



37, 73.362, 43.649



6, 19.412, 30.748





# Inverse Universe

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



83, 7.436, 219.923



96, 10.205, 220.010



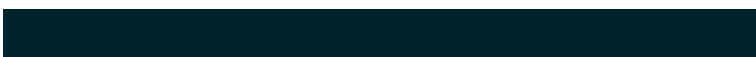
79, 9.651, 275.244



44, 3.636, 219.858



53, 32.530, 235.351



12, 12.648, 227.416



# Previews

## White Background



This preview shows how the CIELCh color 80, 8.005, 39.199 looks on a white background.

## Color Contrast Check

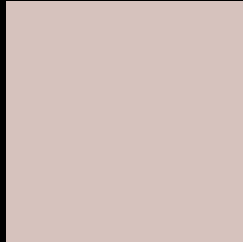
Large Text (above 18pt) WCAG AA × Fail

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, 8.005, 39.199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

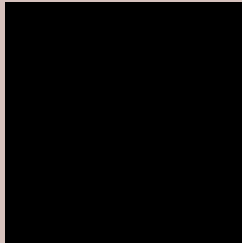
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 8.005, 39.199

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.005, 39.199.



This preview shows how white text looks on a background with the CIELCh color 80, 8.005, 39.199.

# 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, 8.005, 39.199

### Protanopia

80, 4.318, 78.598

### Deuteranopia

80, 11.045, 25.706



**Tritanopia**  
80, 12.176, 339.479



# Trichromacy



**Original Color**  
80, 8.005, 39.199

**Protanomaly**  
80, 5.536, 61.615

**Deuteranomaly**  
80, 9.971, 29.257

**Tritanomaly**  
80, 9.529, 353.687

# Monochromacy



**Original Color**  
80, 8.005, 39.199

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
80, 2.787, 41.754

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 8.005, 39.199 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(214, 194, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 194, 189)  
}
```

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(214, 194, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 194, 189) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 8.005, 39.199 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(214, 194, 189) }
```

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

```
.border{ border-color:rgb(214, 194, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 194, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 194,  
189) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 8.005, 39.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 194, 189) }
```

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

```
.background{ background-color: rgb(214,  
194, 189) }
```

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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