

# Converting Colors

CIELCh(68, 17.823, 40.375)

Have a look what the booklet for  
CIELCh(68, 17.823, 40.375) contains.

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# Color

**CIELCh(68, 17.823, 40.375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C69D92
RGB	198, 157, 146
RGB Percent	78%, 62%, 57%
CMY	0.2253, 0.3860, 0.4291
CMYK	0.00, 0.21, 0.26, 0.23
HSL	13°, 31%, 67%
HSV	13°, 26%, 77%
XYZ	40.3058, 37.9720, 32.2244
YIQ	168.0050, 27.9670, 5.2710

# Conversions

## Conversions Part 2

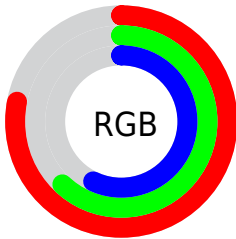
Format	Color
<a href="#">RYB</a>	198, 160, 146
Decimal	13016466
CIELab	68.00, 13.58, 11.55
CIElCh	68, 17.823, 40.375
Yxy	37.9720, 0.3648, 0.3436
Android (android.graphics.Color)	4291206546 (0xFFC69D92)
YUV	168.0050, -10.8485, 26.3056
Hunter-Lab	61.6215, 8.9171, 12.1298

# Details

The CIELCh color  $68, 17.823, 40.375$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $73, 14.942, 222.125$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 17.589, 41.095$ , and  $48, 17.511, 40.524$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 25.638, 40.461$ , and if you desaturate by 10%, it is  $72, 10.600, 40.438$ .

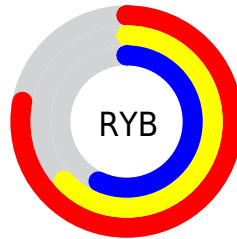
# Distribution



Red (78%)

Green (62%)

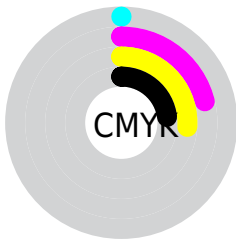
Blue (57%)



Red (78%)

Yellow (63%)

Blue (57%)

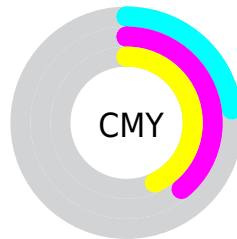


Cyan (0%)

Magenta (21%)

Yellow (26%)

Black (23%)



Cyan (23%)

Magenta (39%)

Yellow (43%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 17.823, 40.375 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 68, 17.823, 40.375 by changing the saturation by 10% instead.



 68, 17.823, 40.375

 68, 17.823, 40.375

 100, 17.823,  
40.375

 58, 17.823, 40.375

 88, 17.823, 40.375

 48, 17.823, 40.375

 98, 17.823, 40.375

 38, 17.823, 40.375

 28, 17.823, 40.375

 18, 17.823, 40.375

 8, 17.823, 40.375

 0, 17.823, 40.375

 68, 17.823, 40.375

 68, 17.823, 40.375

 64, 25.638, 40.461

 72, 10.600, 40.438

60, 34.064, 40.714

77, 3.936, 40.539

56, 43.067, 41.174

81, 2.220, 221.185

52, 52.538, 41.851

86, 7.920, 221.342

49, 62.210, 42.686

91, 13.217,  
221.687

46, 71.472, 43.450

95, 17.316,  
206.939

44, 79.074, 43.609

44, 81.604, 43.754

96, 18.849,  
198.260

# Harmonies

# Complementary

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



68, 17.823, 40.375



73, 14.942, 222.125

# Rectangle

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



68, 17.823, 40.375



68, 17.823, 90.375



68, 17.823, 220.375



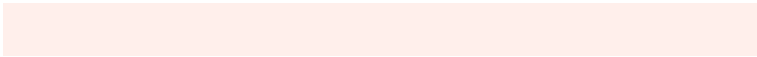
68, 17.823, 270.375

# Sweetspot

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



68, 17.822, 40.383



96, 6.188, 40.529



66, 29.814, 332.195



50, 4.425, 40.514



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



68, 17.822, 40.383



83, 27.364, 40.412



74, 20.561, 90.406



40, 3.604, 40.517



36, 70.472, 44.103



5, 14.082, 31.896



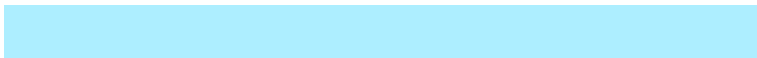


# Inverse Universe

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



73, 14.942, 222.125



90, 21.872, 222.614



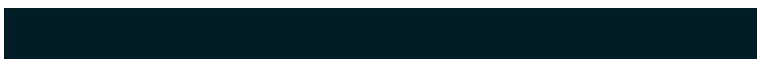
66, 20.651, 277.547



41, 3.403, 221.245



50, 31.633, 237.668



9, 11.140, 228.373



# Previews

## White Background



This preview shows how the CIELCh color 68, 17.823, 40.375 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 68, 17.823, 40.375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

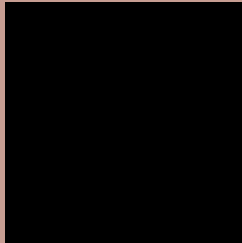
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 17.823, 40.375

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 17.823, 40.375.



This preview shows how white text looks on a background with the CIELCh color 68, 17.823, 40.375.

# 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

68, 17.823, 40.375

### Protanopia

68, 8.804, 88.278

### Deuteranopia

68, 14.762, 53.884



**Tritanopia**  
68, 18.864, 2.713



# Trichromacy



**Original Color**  
68, 17.823, 40.375

**Protanomaly**  
68, 11.122, 63.344

**Deuteranomaly**  
68, 15.895, 49.094

**Tritanomaly**  
68, 17.481, 15.697

# Monochromacy



**Original Color**  
68, 17.823, 40.375

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 6.223, 40.382

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 17.823, 40.375 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, 157, 146)` looks like.

```
.text, #text, p{  
    color:rgb(198, 157, 146)  
}
```

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, 157, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 157, 146) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 17.823, 40.375 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, 157, 146) }
```

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

```
.border{ border-color:rgb(198, 157, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 157, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 157, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 157, 146);  
box-shadow:4px 4px 4px 4px rgb(198, 157,  
146) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 17.823, 40.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 157, 146) }
```

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

```
.background{ background-color: rgb(198,  
157, 146) }
```

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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