

Converting Colors

CIELCh(78, 9.988, 69.535)

Have a look what the booklet for
CIELCh(78, 9.988, 69.535) contains.

CIELCh(78, 9.936, 68.252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(78, 9.936, 68.252)

Conversions

Conversions Part 1

Format	Color
Hex	CFBEB0
RGB	207, 190, 176
RGB Percent	81%, 75%, 69%
CMY	0.1883, 0.2550, 0.3099
CMYK	0.00, 0.08, 0.15, 0.19
HSL	27°, 24%, 75%
HSV	27°, 15%, 81%
XYZ	51.9676, 53.2120, 48.5940
YIQ	193.4870, 14.6260, -0.7500

Conversions

Conversions Part 2

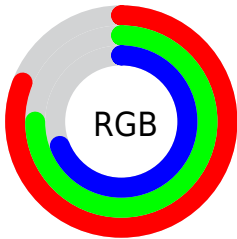
Format	Color
R _Y B	207, 202, 176
Decimal	13614768
CIE Lab	78.00, 3.68, 9.23
CIE LCh	78, 9.936, 68.252
Yxy	53.2120, 0.3379, 0.3460
Android (android.graphics.Color)	4291804848 (0xFFCFBEB0)
YUV	193.4870, -8.6211, 11.8509
Hunter-Lab	72.9466, -0.4918, 11.5660

Details

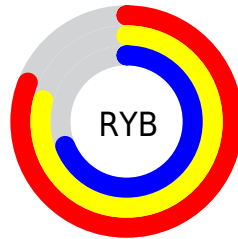
The CIELCh color $78, 9.936, 68.252$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 9.453, 251.997$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 7.818, 85.014$, and $58, 9.636, 69.318$ is the 20% darker color. If you saturate the color by 10%, you get $75, 17.037, 67.136$, and if you desaturate by 10%, it is $81, 3.211, 69.324$.

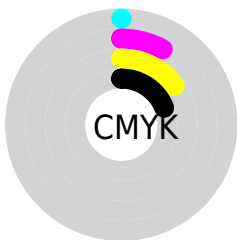
Distribution



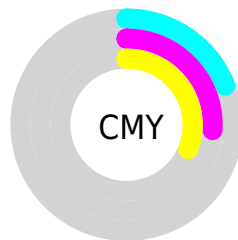
- Red (81%)
- Green (75%)
- Blue (69%)



- Red (81%)
- Yellow (79%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (15%)
- Black (19%)



- Cyan (19%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 9.936, 68.252 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 78, 9.936, 68.252 by changing the saturation by 10% instead.

 78, 9.936, 68.252  78, 9.936, 68.252

 100, 9.936, 68.252  68, 9.936, 68.252

 98, 9.936, 68.252  58, 9.936, 68.252

 48, 9.936, 68.252

 38, 9.936, 68.252

 28, 9.936, 68.252

 18, 9.936, 68.252

 8, 9.936, 68.252

 0, 9.936, 68.252

 78, 9.936, 68.252  78, 9.936, 68.252

75, 17.037, 67.136

81, 3.211, 69.324

71, 24.538, 66.002

85, 3.173, 250.716

68, 32.447, 64.876

88, 9.253, 251.741

65, 40.728, 63.757

92, 13.640,
247.362

62, 49.266, 62.616

95, 13.740,
216.789

59, 57.776, 61.374

57, 65.670, 59.846

97, 15.947,
198.445

54, 71.940, 57.680

53, 74.600, 56.480

Harmonies

Complementary

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



78, 9.936, 68.252



77, 9.453, 251.997

Rectangle

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



78, 9.936, 68.252



78, 9.936, 118.252



78, 9.936, 248.252



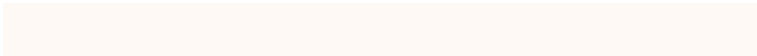
78, 9.936, 298.252

Sweetspot

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



78, 9.936, 68.266



98, 3.048, 69.399



75, 14.763, 342.245



52, 2.171, 69.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 9.936, 68.266



93, 14.272, 67.902



82, 15.516, 106.599



42, 3.738, 68.878



44, 63.709, 57.075



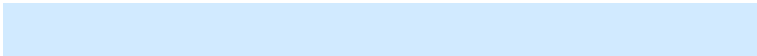
8, 15.790, 52.692

Inverse Universe

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



77, 9.453, 251.997



92, 13.414, 252.482



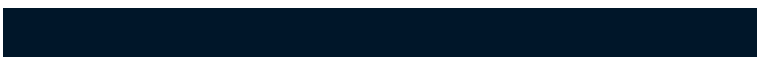
73, 15.998, 289.778



42, 3.631, 251.242



39, 47.666, 278.548



7, 15.172, 267.064

Previews

White Background



This preview shows how the CIELCh color 78, 9.936, 68.252 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 78, 9.936, 68.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

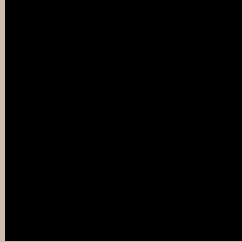
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 9.936, 68.252

Background



This preview shows how black text looks on a background with the CIELCh color 78, 9.936, 68.252.



This preview shows how white text looks on a background with the CIELCh color 78, 9.936, 68.252.

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

78, 9.936, 68.252

Protanopia

78, 8.552, 88.487

Deuteranopia

78, 12.962, 41.876



Tritanopia
78, 11.968, 338.301

Trichromacy



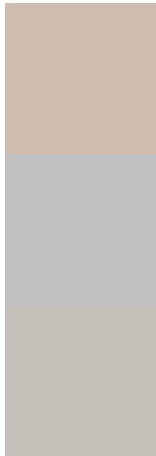
Original Color
78, 9.936, 68.252

Protanomaly
78, 8.762, 77.826

Deuteranomaly
78, 11.394, 47.872

Tritanomaly
78, 8.660, 2.139

Monochromacy



Original Color
78, 9.936, 68.252

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 3.468, 69.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 9.936, 68.252 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(207, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(207, 190, 176)  
}
```

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(207, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 190, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 9.936, 68.252 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(207, 190, 176) }
```

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

```
.border{ border-color:rgb(207, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 190, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 190, 176);  
box-shadow:4px 4px 4px 4px rgb(207, 190,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 9.936, 68.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 190, 176) }
```

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

```
.background{ background-color: rgb(207,  
190, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor