

Converting Colors

CIELCh(78, 4.000, 337.667)

Have a look what the booklet for
CIELCh(78, 4.000, 337.667) contains.

CIELCh(78, 4.004, 337.686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 4.004, 337.686)

Conversions

Conversions Part 1

Format	Color
Hex	C7BFC4
RGB	199, 191, 196
RGB Percent	78%, 75%, 77%
CMY	0.2207, 0.2521, 0.2325
CMYK	0.00, 0.04, 0.02, 0.22
HSL	323°, 7%, 76%
HSV	323°, 4%, 78%
XYZ	51.9763, 53.2120, 59.5846
YIQ	193.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

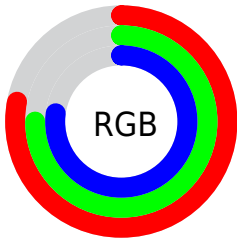
Format	Color
RYB	199, 191, 196
Decimal	13090756
CIELab	78.00, 3.70, -1.52
CIElCh	78, 4.004, 337.686
Yxy	53.2120, 0.3154, 0.3229
Android (android.graphics.Color)	4291280836 (0xFFC7BFC4)
YUV	193.9620, 1.0047, 4.4183
Hunter-Lab	72.9466, -0.4707, 2.6330

Details

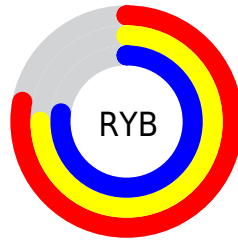
The CIELCh color $78, 4.004, 337.686$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79, 3.978, 157.292$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $98, 4.180, 332.450$, and $58, 3.577, 340.269$ is the 20% darker color. If you saturate the color by 10%, you get $73, 14.068, 338.513$, and if you desaturate by 10%, it is $83, 5.853, 157.143$.

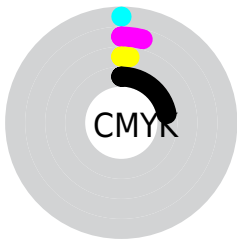
Distribution



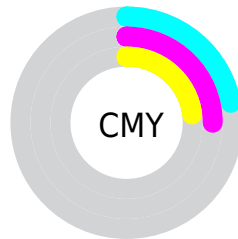
- Red (78%)
- Green (75%)
- Blue (77%)



- Red (78%)
- Yellow (75%)
- Blue (77%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (22%)



- Cyan (22%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 4.004, 337.686 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, 4.004, 337.686 by changing the saturation by 10% instead.

 78, 4.004, 337.686

 78, 4.004, 337.686

 100, 4.004,
337.686

 68, 4.004, 337.686

 98, 4.004, 337.686

 58, 4.004, 337.686

 48, 4.004, 337.686

 38, 4.004, 337.686

 28, 4.004, 337.686

 18, 4.004, 337.686

 8, 4.004, 337.686

 0, 4.004, 337.686

 78, 4.004, 337.686

 78, 4.004, 337.686

73, 14.068,
338.513

83, 5.853, 157.143

68, 24.235,
339.342

89, 15.438,
156.451

63, 34.327,
340.240

94, 24.726,
155.832

58, 44.074,
341.233

96, 24.854,
160.464

54, 53.104,
342.351

96, 22.503,
167.875

51, 60.948,
343.644

96, 20.569,
176.792

48, 67.099,
345.179

96, 19.184,
187.231

45, 71.134,
347.052

96, 18.493,
198.283

44, 72.889,

Harmonies

Complementary

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



78, 4.004, 337.686



79, 3.978, 157.292

Rectangle

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



78, 4.004, 337.686



78, 4.004, 27.686



78, 4.004, 157.686



78, 4.004, 207.686

Sweetspot

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



78, 4.002, 337.693



99, 1.220, 337.210



78, 4.437, 304.471



53, 0.694, 337.188



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, 4.002, 337.693



97, 6.094, 337.788



78, 3.026, 8.627



40, 3.391, 337.836



36, 63.431, 350.503



4, 19.366, 345.239

Inverse Universe

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



78, 4.002, 337.693



97, 6.094, 337.788



80, 2.965, 188.311



40, 3.391, 337.836



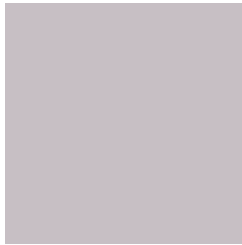
36, 63.431, 350.503



4, 19.366, 345.239

Previews

White Background



This preview shows how the CIELCh color 78, 4.004, 337.686 looks on a white background.

Color Contrast Check

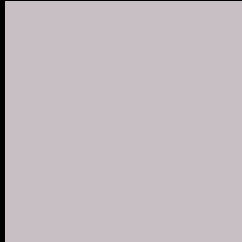
Large Text (above 18pt) WCAG AA × Fail

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 78, 4.004, 337.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

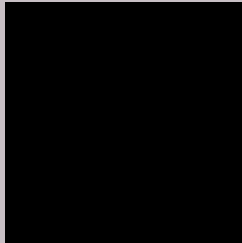
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

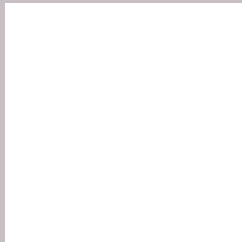
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 4.004, 337.686

Background



This preview shows how black text looks on a background with the CIELCh color 78, 4.004, 337.686.



This preview shows how white text looks on a background with the CIELCh color 78, 4.004, 337.686.

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, 4.004, 337.686

Protanopia

78, 2.427, 317.302

Deuteranopia

78, 9.824, 350.915



Tritanopia
78, 9.022, 317.066

Trichromacy



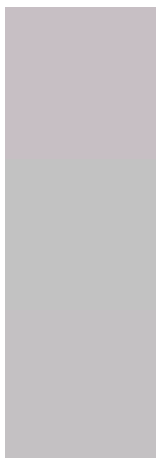
Original Color
78, 4.004, 337.686

Protanomaly
78, 2.617, 324.456

Deuteranomaly
78, 7.946, 347.466

Tritanomaly
78, 6.969, 322.202

Monochromacy



Original Color
78, 4.004, 337.686

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 1.552, 335.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 4.004, 337.686 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(199, 191, 196)` looks like.

```
.text, #text, p{  
    color:rgb(199, 191, 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(199, 191, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 191, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 4.004, 337.686 is called "border". The border property can be set on classes, ids or directly on the HTML element.

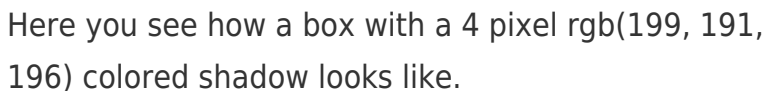
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 191, 196) }
```

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

```
.border{ border-color:rgb(199, 191, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 191, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 191, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 191, 196); box-shadow:4px 4px 4px 4px rgb(199, 191, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 4.004, 337.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 191, 196) }
```

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

```
.background{ background-color: rgb(199,  
191, 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](#).

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