

Converting Colors

CIELCh(90, 2.639, 3.307)

Have a look what the booklet for
CIELCh(90, 2.639, 3.307) contains.

CIELCh(90, 2.573, 7.733)	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(90, 2.573, 7.733)

Conversions

Conversions Part 1

Format	Color
Hex	E8E1E2
RGB	232, 225, 226
RGB Percent	91%, 88%, 89%
CMY	0.0912, 0.1186, 0.1147
CMYK	0.00, 0.03, 0.03, 0.09
HSL	351°, 13%, 90%
HSV	351°, 3%, 91%
XYZ	73.7449, 76.3034, 82.6101
YIQ	227.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

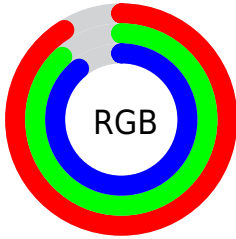
Format	Color
R _Y B	232, 225, 226
Decimal	15262178
CIE Lab	90.00, 2.55, 0.35
CIE LCh	90, 2.573, 7.733
Yxy	76.3034, 0.3170, 0.3280
Android (android.graphics.Color)	4293452258 (0xFFE8E1E2)
YUV	227.2070, -0.5951, 4.2035
Hunter-Lab	87.3518, -2.1707, 5.0747

Details

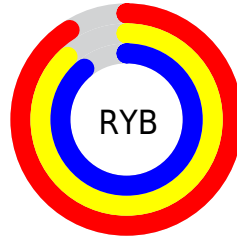
The CIELCh color **90, 2.573, 7.733** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.530, 187.721**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.342, 5.919** is the 20% darker color. If you saturate the color by 10%, you get **84, 11.425, 8.893**, and if you desaturate by 10%, it is **96, 5.754, 187.301**.

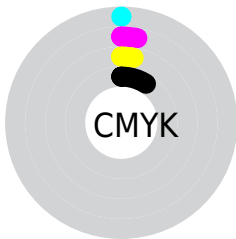
Distribution



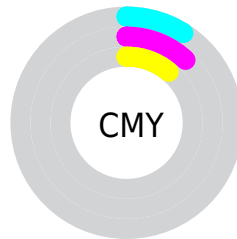
- Red (91%)
- Green (88%)
- Blue (89%)



- Red (91%)
- Yellow (88%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.573, 7.733 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 90, 2.573, 7.733 by changing the saturation by 10% instead.

90, 2.573, 7.733

90, 2.573, 7.733

100, 2.573, 7.733

80, 2.573, 7.733

70, 2.573, 7.733

60, 2.573, 7.733

50, 2.573, 7.733

40, 2.573, 7.733

30, 2.573, 7.733

20, 2.573, 7.733

10, 2.573, 7.733

0, 2.573, 7.733

90, 2.573, 7.733

90, 2.573, 7.733

84, 11.425, 8.893

96, 5.754, 187.301

78, 20.797, 10.052

98, 7.940, 198.987

72, 30.626, 11.452

66, 40.771, 13.187

61, 50.995, 15.376

57, 60.965, 18.159

53, 70.310, 21.673

51, 78.730, 25.971

49, 86.057, 30.863

Harmonies

Complementary

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



90, 2.573, 7.733



91, 2.530, 187.721

Rectangle

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



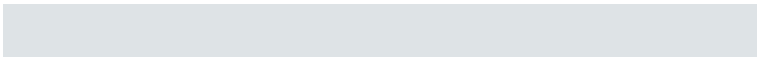
90, 2.573, 7.733



90, 2.573, 57.733



90, 2.573, 187.733



90, 2.573, 237.733

Sweetspot

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



90, 2.571, 7.771



99, 0.918, 7.139



90, 4.232, 320.366



53, 0.522, 7.099



0, 0.000, 0.000



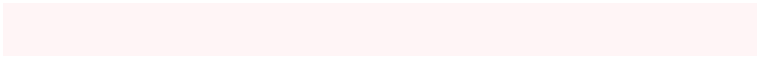
53, 0.007, 296.813

Same Dimension

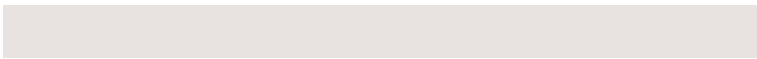
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.571, 7.771



97, 3.693, 7.916



91, 2.052, 57.247



47, 2.412, 8.004



37, 73.772, 33.298



7, 26.739, 15.840

Inverse Universe

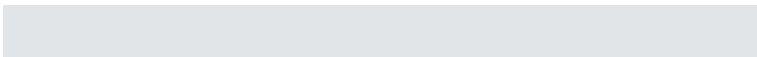
The Inverse Universe completely reimagines the original color for something new.



90, 2.571, 7.771



97, 3.693, 7.916



91, 2.034, 238.294



47, 2.412, 8.004



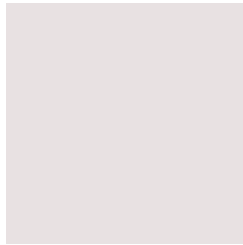
37, 73.772, 33.298



7, 26.739, 15.840

Previews

White Background



This preview shows how the CIE LCh color 90, 2.573, 7.733 looks on a white background.

Color Contrast Check

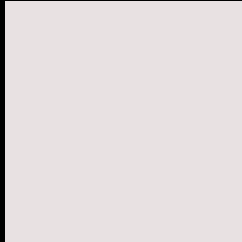
Large Text (above 18pt) WCAG AA × Fail

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 90, 2.573, 7.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

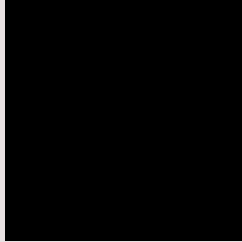
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

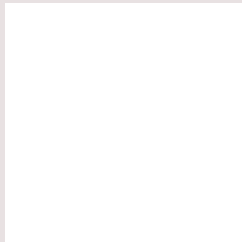
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.573, 7.733

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.573, 7.733.

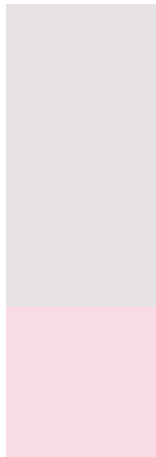


This preview shows how white text looks on a background with the CIELCh color 90, 2.573, 7.733.

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

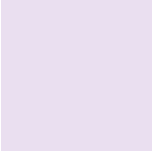
90, 2.573, 7.733

Protanopia

90, 1.874, 3.144

Deuteranopia

90, 11.315, 358.749



Tritanopia
90, 9.696, 314.309

Trichromacy



Original Color

90, 2.573, 7.733

Protanomaly

90, 2.222, 5.793

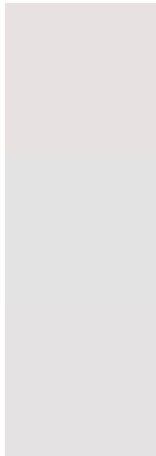
Deuteranomaly

90, 8.216, 357.720

Tritanomaly

90, 6.583, 319.526

Monochromacy



Original Color

90, 2.573, 7.733

Achromatopsia

90, 0.011, 296.813

Achromatomaly

90, 1.202, 353.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.573, 7.733 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(232, 225, 226)` looks like.

```
.text, #text, p{  
    color:rgb(232, 225, 226)  
}
```

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(232, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 225, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.573, 7.733 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(232, 225, 226) }
```

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

```
.border{ border-color:rgb(232, 225, 226) }
```

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

Here you see how a box with a 4 pixel rgb(232, 225, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(232, 225,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.573, 7.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 225, 226) }
```

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

```
.background{ background-color: rgb(232,  
225, 226) }
```

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