

Converting Colors

CIELCh(90, 3.278, 69.823)

Have a look what the booklet for
CIELCh(90, 3.278, 69.823) contains.

CIELCh(90, 2.982, 63.289)	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, 2.982, 63.289)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1DD
RGB	231, 225, 221
RGB Percent	91%, 88%, 87%
CMY	0.0929, 0.1164, 0.1321
CMYK	0.00, 0.03, 0.04, 0.09
HSL	24°, 17%, 89%
HSV	24°, 4%, 91%
XYZ	73.1642, 76.3034, 79.5012
YIQ	226.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

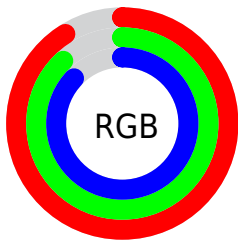
Format	Color
R_{YB}	231, 228, 221
Decimal	15196637
CIE Lab	90.00, 1.34, 2.66
CIE LCh	90, 2.982, 63.289
Yxy	76.3034, 0.3195, 0.3332
Android (android.graphics.Color)	4293386717 (0xFFE7E1DD)
YUV	226.3380, -2.6316, 4.0886
Hunter-Lab	87.3518, -3.3574, 7.1848

Details

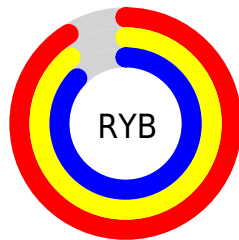
The CIELCh color **90, 2.982, 63.289** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 2.943, 244.570**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.885, 68.475** is the 20% darker color. If you saturate the color by 10%, you get **86, 10.202, 62.437**, and if you desaturate by 10%, it is **94, 3.817, 244.657**.

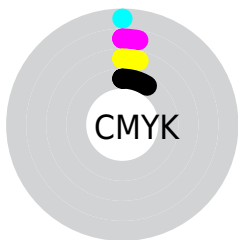
Distribution



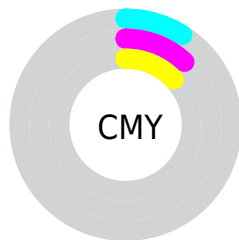
- Red (91%)
- Green (88%)
- Blue (87%)



- Red (91%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.982, 63.289 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, 2.982, 63.289 by changing the saturation by 10% instead.

90, 2.982, 63.289

90, 2.982, 63.289

100, 2.982, 63.289

80, 2.982, 63.289

70, 2.982, 63.289

60, 2.982, 63.289

50, 2.982, 63.289

40, 2.982, 63.289

30, 2.982, 63.289

20, 2.982, 63.289

10, 2.982, 63.289

0, 2.982, 63.289

90, 2.982, 63.289

90, 2.982, 63.289

86, 10.202, 62.437

94, 3.817, 244.657

82, 17.889, 61.456

98, 7.465, 206.649

78, 26.082, 60.494

98, 8.081, 198.976

74, 34.799, 59.569

71, 44.019, 58.684

67, 53.635, 57.816

64, 63.362, 56.889

61, 72.573, 55.708

58, 80.103, 53.880

Harmonies

Complementary

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



90, 2.982, 63.289



90, 2.943, 244.570

Rectangle

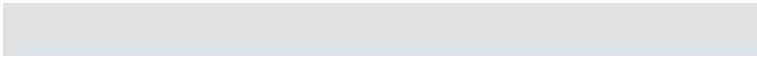
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



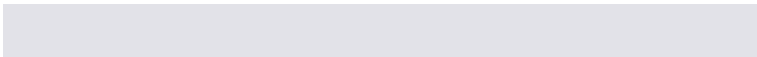
90, 2.982, 63.289



90, 2.982, 113.289



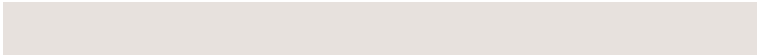
90, 2.982, 243.289



90, 2.982, 293.289

Sweetspot

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



90, 2.982, 63.338



100, 0.734, 63.117



89, 4.782, 338.868



53, 0.417, 63.084



0, 0.000, 0.000



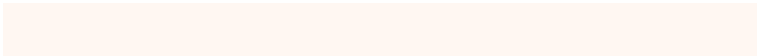
53, 0.007, 296.813

Same Dimension

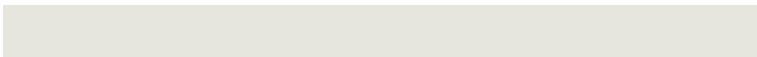
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.982, 63.338



98, 3.741, 63.290



91, 4.653, 105.331



47, 2.346, 63.240



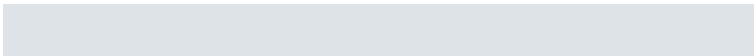
44, 68.414, 53.262



11, 21.279, 50.004

Inverse Universe

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



90, 2.943, 244.570



98, 3.679, 244.625



89, 4.706, 286.291



47, 2.300, 244.682



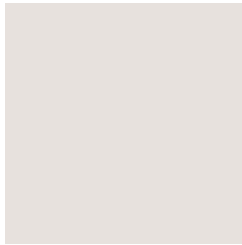
44, 45.030, 272.266



11, 16.774, 262.841

Previews

White Background



This preview shows how the CIE LCh color 90, 2.982, 63.289 looks on a white background.

Color Contrast Check

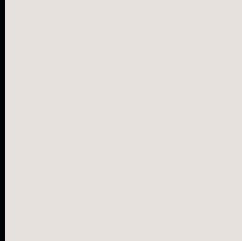
Large Text (above 18pt) WCAG AA × Fail

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, 2.982, 63.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

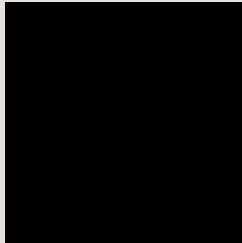
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

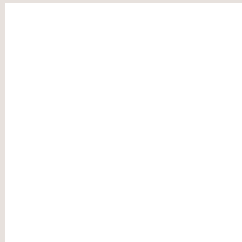
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.982, 63.289

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.982, 63.289.

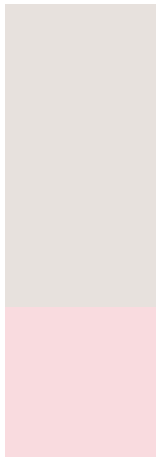


This preview shows how white text looks on a background with the CIELCh color 90, 2.982, 63.289.

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, 2.982, 63.289

Protanopia

90, 2.982, 63.289

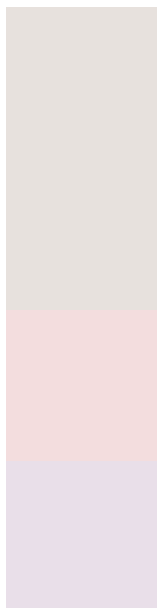
Deuteranopia

90, 11.155, 9.503



Tritanopia
90, 10.322, 314.962

Trichromacy



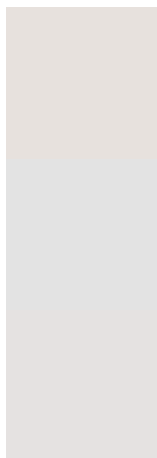
Original Color
90, 2.982, 63.289

Protanomaly
90, 2.982, 63.289

Deuteranomaly
90, 8.036, 16.223

Tritanomaly
90, 6.335, 324.632

Monochromacy



Original Color
90, 2.982, 63.289

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.185, 44.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.982, 63.289 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(231, 225, 221)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 221)  
}
```

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(231, 225, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.982, 63.289 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(231, 225, 221) }
```

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

```
.border{ border-color:rgb(231, 225, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 221);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.982, 63.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 221) }
```

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

```
.background{ background-color: rgb(231,  
225, 221) }
```

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