

Converting Colors

CIELCh(90, 3.963, 12.901)

Have a look what the booklet for
CIELCh(90, 3.963, 12.901) contains.

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Color

CIELCh(90, 4.004, 12.110)

Conversions

Conversions Part 1

Format	Color
Hex	EBE0E1
RGB	235, 224, 225
RGB Percent	92%, 88%, 88%
CMY	0.0790, 0.1221, 0.1182
CMYK	0.00, 0.05, 0.04, 0.08
HSL	355°, 21%, 90%
HSV	355°, 5%, 92%
XYZ	74.4043, 76.3034, 81.9411
YIQ	227.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

Format	Color
R _Y B	235, 224, 225
Decimal	15458529
CIE Lab	90.00, 3.91, 0.84
CIE LCh	90, 4.004, 12.110
Yxy	76.3034, 0.3198, 0.3280
Android (android.graphics.Color)	4293648609 (0xFFEBE0E1)
YUV	227.4030, -1.1847, 6.6626
Hunter-Lab	87.3518, -0.8233, 5.5288

Details

The CIELCh color **90, 4.004, 12.110** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 3.902, 191.716**, 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, 3.847, 11.468** is the 20% darker color. If you saturate the color by 10%, you get **84, 12.980, 13.149**, and if you desaturate by 10%, it is **96, 4.388, 191.676**.

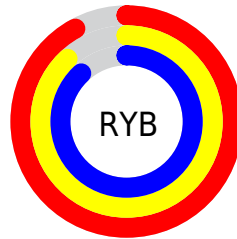
Distribution



Red (92%)

Green (88%)

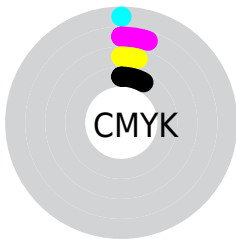
Blue (88%)



Red (92%)

Yellow (88%)

Blue (88%)

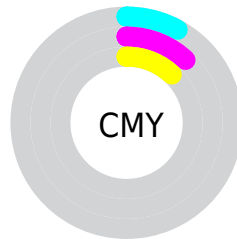


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (8%)



Cyan (8%)







Magenta (12%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.004, 12.110 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, 4.004, 12.110 by changing the saturation by 10% instead.

 90, 4.004, 12.110	 90, 4.004, 12.110
 100, 4.004, 12.110	 80, 4.004, 12.110
	 70, 4.004, 12.110
	 60, 4.004, 12.110
	 50, 4.004, 12.110
	 40, 4.004, 12.110
	 30, 4.004, 12.110
	 20, 4.004, 12.110
	 10, 4.004, 12.110
	 0, 4.004, 12.110

90, 4.004, 12.110

90, 4.004, 12.110

84, 12.980, 13.149

96, 4.388, 191.676

78, 22.543, 14.283

99, 6.898, 199.065

72, 32.638, 15.683

66, 43.132, 17.450

61, 53.789, 19.706

57, 64.284, 22.582

53, 74.246, 26.178

51, 83.324, 30.435

50, 91.059, 34.919

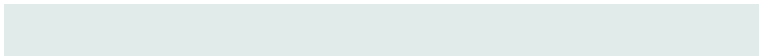
Harmonies

Complementary

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



90, 4.004, 12.110



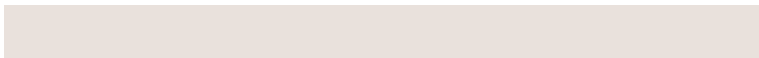
92, 3.902, 191.716

Rectangle

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



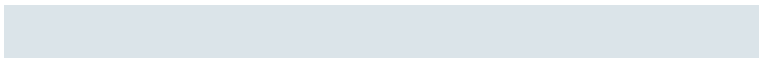
90, 4.004, 12.110



90, 4.004, 62.110



90, 4.004, 192.110



90, 4.004, 242.110

Sweetspot

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



90, 4.002, 12.137



99, 0.905, 11.283



90, 6.743, 321.903



53, 0.514, 11.241



0, 0.000, 0.000



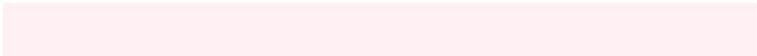
53, 0.007, 296.813

Same Dimension

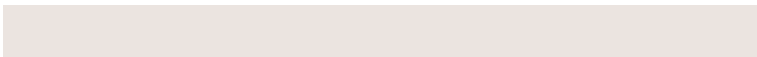
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 4.002, 12.137



96, 5.508, 12.283



91, 3.272, 63.266



47, 3.419, 12.344



38, 77.050, 36.249



7, 28.183, 19.015

Inverse Universe

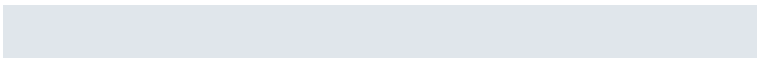
The Inverse Universe completely reimagines the original color for something new.



90, 4.002, 12.137



96, 5.508, 12.283



91, 3.223, 244.549



47, 3.419, 12.344



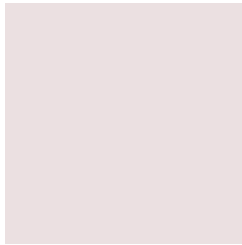
38, 77.050, 36.249



7, 28.183, 19.015

Previews

White Background



This preview shows how the CIE LCh color 90, 4.004, 12.110 looks on a white background.

Color Contrast Check

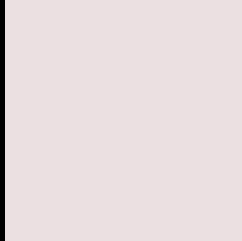
Large Text (above 18pt) WCAG AA × Fail

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, 4.004, 12.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

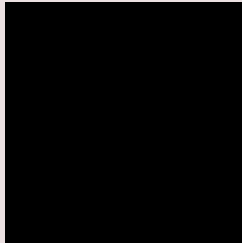
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

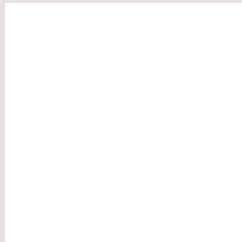
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.004, 12.110

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.004, 12.110.

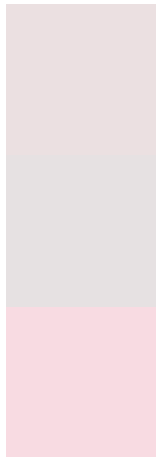


This preview shows how white text looks on a background with the CIELCh color 90, 4.004, 12.110.

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, 4.004, 12.110

Protanopia

90, 1.874, 3.144

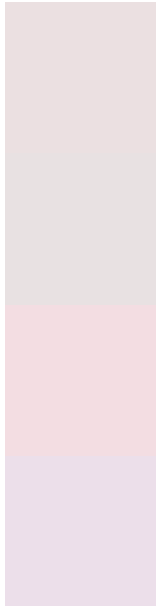
Deuteranopia

90, 11.150, 1.240



Tritanopia
90, 10.354, 321.529

Trichromacy



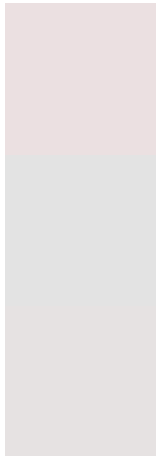
Original Color
90, 4.004, 12.110

Protanomaly
90, 2.573, 7.733

Deuteranomaly
90, 8.389, 1.988

Tritanomaly
90, 7.391, 329.253

Monochromacy



Original Color
90, 4.004, 12.110

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.434, 19.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.004, 12.110 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(235, 224, 225)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 225)  
}
```

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(235, 224, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.004, 12.110 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(235, 224, 225) }
```

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

```
.border{ border-color:rgb(235, 224, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 224, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 224, 225); box-shadow:4px 4px 4px 4px rgb(235, 224, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.004, 12.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 225) }
```

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

```
.background{ background-color: rgb(235,  
224, 225) }
```

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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