

Converting Colors

CIELCh(90, 7.117, 102.774)

Have a look what the booklet for
CIELCh(90, 7.117, 102.774) contains.

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Color

CIELCh(90, 7.273, 103.801)

Conversions

Conversions Part 1

Format	Color
Hex	E5E3D5
RGB	229, 227, 213
RGB Percent	90%, 89%, 84%
CMY	0.1025, 0.1103, 0.1652
CMYK	0.00, 0.01, 0.07, 0.10
HSL	53°, 23%, 87%
HSV	53°, 7%, 90%
XYZ	71.7010, 76.3034, 73.8164
YIQ	226.0020, 5.6860, -3.9300

Conversions

Conversions Part 2

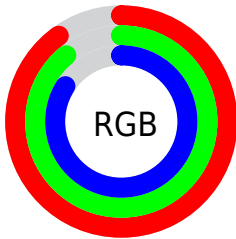
Format	Color
R _Y B	215, 229, 213
Decimal	15066069
CIE Lab	90.00, -1.73, 7.06
CIE LCh	90, 7.273, 103.801
Yxy	76.3034, 0.3232, 0.3440
Android (android.graphics.Color)	4293256149 (0xFFE5E3D5)
YUV	226.0020, -6.4100, 2.6292
Hunter-Lab	87.3518, -6.3474, 11.0434

Details

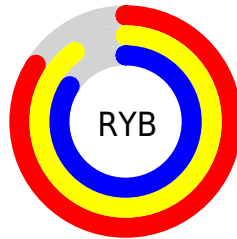
The CIELCh color **90, 7.273, 103.801** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 7.371, 285.369**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 7.661, 103.584** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.715, 102.738**, and if you desaturate by 10%, it is **91, 3.142, 284.932**.

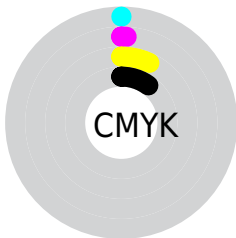
Distribution



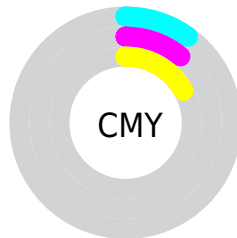
- Red (90%)
- Green (89%)
- Blue (84%)



- Red (84%)
- Yellow (90%)
- Blue (84%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.273, 103.801 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, 7.273, 103.801 by changing the saturation by 10% instead.

■ 90, 7.273, 103.801

■ 90, 7.273, 103.801

■ 100, 7.273,
103.801

■ 80, 7.273, 103.801

■ 70, 7.273, 103.801

■ 60, 7.273, 103.801

■ 50, 7.273, 103.801

■ 40, 7.273, 103.801

■ 30, 7.273, 103.801

■ 20, 7.273, 103.801

■ 10, 7.273, 103.801

■ 0, 7.273, 103.801

90, 7.273, 103.801

90, 7.273, 103.801

89, 17.715,
102.738

91, 3.142, 284.932

88, 28.127,
101.632

93, 11.632,
284.873

86, 38.424,
100.513

93, 10.292,
278.453

85, 48.461, 99.397

94, 9.118, 270.290

84, 57.995, 98.296

95, 8.178, 260.038

84, 66.642, 97.227

95, 7.556, 247.682

83, 73.845, 96.201

96, 7.331, 233.915

82, 78.928, 95.217

97, 7.536, 220.149

81, 81.410, 94.254

98, 8.134, 207.792

Harmonies

Complementary

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



90, 7.273, 103.801



86, 7.371, 285.369

Rectangle

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



90, 7.273, 103.801



90, 7.273, 153.801



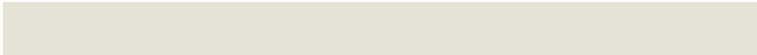
90, 7.273, 283.801



90, 7.273, 333.801

Sweetspot

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



90, 7.275, 103.815



100, 2.262, 104.301



87, 5.949, 8.970



53, 1.286, 104.308



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, 7.275, 103.815



99, 9.093, 103.704



90, 8.565, 123.933



48, 5.929, 103.554



64, 68.064, 94.124



18, 26.136, 96.195

Inverse Universe

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



86, 7.371, 285.369



94, 9.225, 285.492



86, 8.684, 304.640



44, 6.026, 285.659



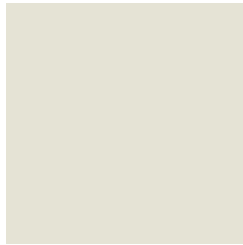
23, 95.796, 304.423



3, 30.774, 294.218

Previews

White Background



This preview shows how the CIELCh color 90, 7.273, 103.801 looks on a white background.

Color Contrast Check

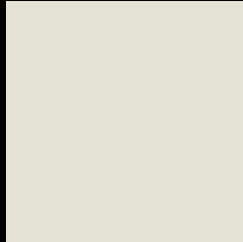
Large Text (above 18pt) WCAG AA × Fail

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, 7.273, 103.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

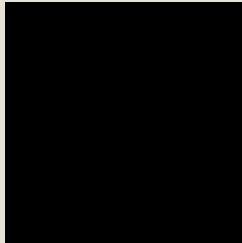
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

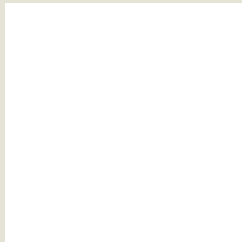
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.273, 103.801

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.273, 103.801.

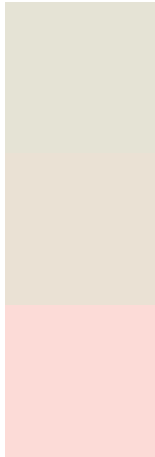


This preview shows how white text looks on a background with the CIELCh color 90, 7.273, 103.801.

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

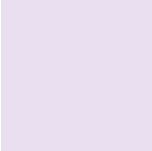
90, 7.273, 103.801

Protanopia

90, 7.485, 83.342

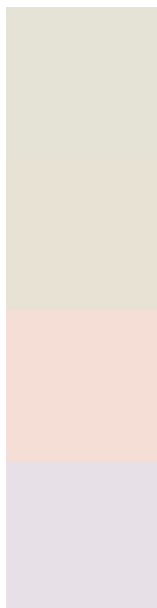
Deuteranopia

90, 12.421, 29.766



Tritanopia
90, 9.559, 312.370

Trichromacy



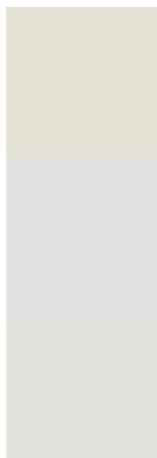
Original Color
90, 7.273, 103.801

Protanomaly
90, 7.559, 92.614

Deuteranomaly
90, 9.123, 46.773

Tritanomaly
90, 4.023, 328.710

Monochromacy



Original Color
90, 7.273, 103.801

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.605, 101.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.273, 103.801 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(229, 227, 213)` looks like.

```
.text, #text, p{  
    color:rgb(229, 227, 213)  
}
```

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(229, 227, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 227, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.273, 103.801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

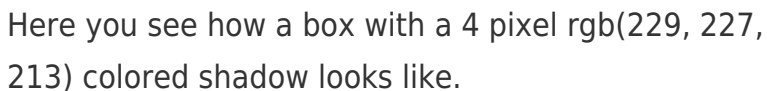
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 227, 213) }
```

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

```
.border{ border-color:rgb(229, 227, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 227, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 227, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 227, 213); box-shadow:4px 4px 4px 4px rgb(229, 227, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.273, 103.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 227, 213) }
```

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

```
.background{ background-color: rgb(229,  
227, 213) }
```

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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