

Converting Colors

CIELCh(90, 12.024, 101.373)

Have a look what the booklet for
CIELCh(90, 12.024, 101.373)
contains.

CIELCh(90, 11.978, 102.060)	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(90, 11.978, 102.060)

Conversions

Conversions Part 1

Format	Color
Hex	E7E3CC
RGB	231, 227, 204
RGB Percent	91%, 89%, 80%
CMY	0.0940, 0.1097, 0.1999
CMYK	0.00, 0.02, 0.12, 0.09
HSL	51°, 36%, 85%
HSV	51°, 12%, 91%
XYZ	71.3388, 76.3034, 68.1085
YIQ	225.5740, 9.7670, -6.3050

Conversions

Conversions Part 2

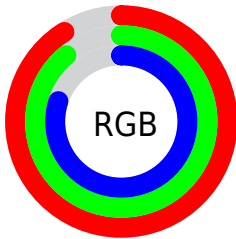
Format	Color
R _Y B	209, 231, 204
Decimal	15197132
CIE Lab	90.00, -2.50, 11.71
CIE LCh	90, 11.978, 102.060
Yxy	76.3034, 0.3307, 0.3537
Android (android.graphics.Color)	4293387212 (0xFFE7E3CC)
YUV	225.5740, -10.6360, 4.7586
Hunter-Lab	87.3518, -7.0875, 14.9177

Details

The CIELCh color **90, 11.978, 102.060** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 12.194, 284.742**, 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, 12.030, 103.306** is the 20% darker color. If you saturate the color by 10%, you get **89, 22.264, 100.951**, and if you desaturate by 10%, it is **91, 1.716, 103.092**.

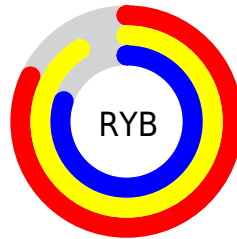
Distribution



Red (91%)

Green (89%)

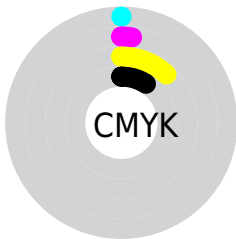
Blue (80%)



Red (82%)

Yellow (91%)

Blue (80%)

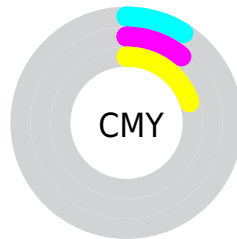


Cyan (0%)

Magenta (2%)

Yellow (12%)

Black (9%)



Cyan (9%)


Magenta (11%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.978, 102.060 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, 11.978, 102.060 by changing the saturation by 10% instead.


 90, 11.978,
102.060


 90, 11.978,
102.060


 100, 11.978,
102.060


 80, 11.978,
102.060


 70, 11.978,
102.060

 60, 11.978,
102.060

 50, 11.978,
102.060

 40, 11.978,
102.060

 30, 11.978,
102.060

 20, 11.978,

102.060

■ 10, 11.978,
102.060

■ 0, 11.978, 102.060

■ 90, 11.978,
102.060

■ 90, 11.978,
102.060

■ 89, 22.264,
100.951

■ 91, 1.716, 103.092

■ 87, 32.509, 99.807

■ 93, 8.492, 284.252

■ 86, 42.608, 98.652

■ 94, 9.334, 277.691

■ 85, 52.382, 97.498

■ 95, 7.997, 266.393

■ 84, 61.537, 96.356

■ 96, 7.076, 251.487

■ 96, 6.740, 233.787

83, 69.606, 95.233

97, 7.066, 216.118

82, 75.947, 94.128

98, 7.968, 201.277

81, 79.873, 93.020

98, 8.181, 198.969

80, 81.325, 92.074

Harmonies

Complementary

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



90, 11.978, 102.060



84, 12.194, 284.742

Rectangle

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



90, 11.978, 102.060



90, 11.978, 152.060



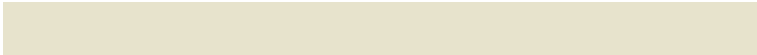
90, 11.978, 282.060



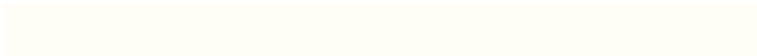
90, 11.978, 332.060

Sweetspot

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



90, 11.980, 102.069



99, 4.427, 102.889



84, 10.209, 8.157



53, 3.148, 102.812



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, 11.980, 102.069



98, 15.556, 101.805



90, 14.394, 123.052



48, 5.787, 102.314



63, 67.146, 92.276



18, 25.587, 94.562

Inverse Universe

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



84, 12.194, 284.742



90, 15.886, 285.053



84, 14.704, 304.312



45, 5.874, 284.462



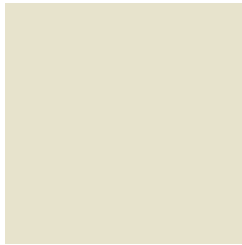
24, 94.011, 303.880



4, 30.239, 293.687

Previews

White Background



This preview shows how the CIELCh color 90, 11.978, 102.060 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 CIELCh color 90, 11.978, 102.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

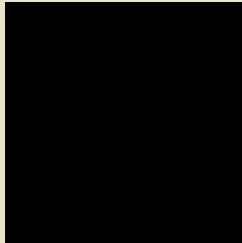
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

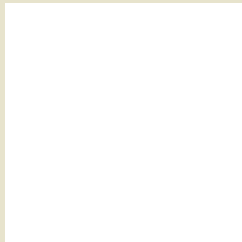
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.978, 102.060

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.978, 102.060.

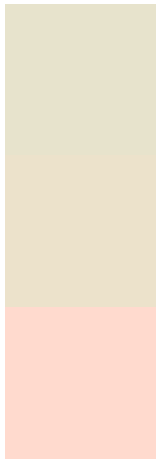


This preview shows how white text looks on a background with the CIELCh color 90, 11.978, 102.060.

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, 11.978, 102.060

Protanopia

90, 12.460, 91.722

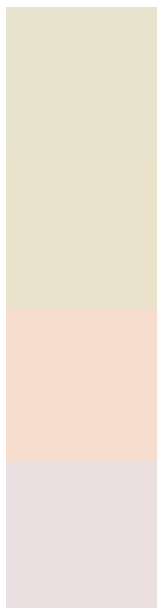
Deuteranopia

90, 15.322, 44.057



Tritanopia
90, 10.177, 319.807

Trichromacy



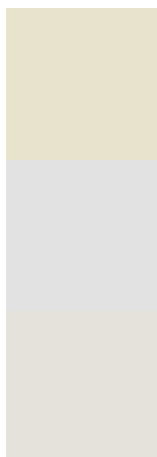
Original Color
90, 11.978, 102.060

Protanomaly
90, 12.257, 95.082

Deuteranomaly
90, 12.548, 61.022

Tritanomaly
90, 3.754, 3.486

Monochromacy



Original Color
90, 11.978, 102.060

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.195, 99.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.978, 102.060 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, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 204)  
}
```

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, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.978, 102.060 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, 227, 204) }
```

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

```
.border{ border-color:rgb(231, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.978, 102.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 204) }
```

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

```
.background{ background-color: rgb(231,  
227, 204) }
```

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