

Converting Colors

CIELCh(90, 11.041, 87.606)

Have a look what the booklet for
CIELCh(90, 11.041, 87.606) contains.

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Color

CIELCh(90, 11.125, 87.678)

Conversions

Conversions Part 1

Format	Color
Hex	ECE1CD
RGB	236, 225, 205
RGB Percent	93%, 88%, 80%
CMY	0.0734, 0.1165, 0.1950
CMYK	0.00, 0.05, 0.13, 0.07
HSL	39°, 45%, 87%
HSV	39°, 13%, 93%
XYZ	72.7389, 76.3034, 68.8250
YIQ	226.0090, 12.9760, -3.8880

Conversions

Conversions Part 2

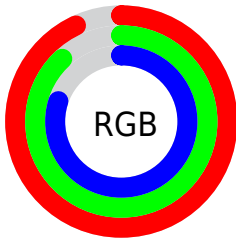
Format	Color
R _Y B	222, 236, 205
Decimal	15524301
CIE Lab	90.00, 0.45, 11.12
CIE LCh	90, 11.125, 87.678
Yxy	76.3034, 0.3339, 0.3502
Android (android.graphics.Color)	4293714381 (0xFFECE1CD)
YUV	226.0090, -10.3574, 8.7621
Hunter-Lab	87.3518, -4.2265, 14.4313

Details

The CIELCh color **90, 11.125, 87.678** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 11.068, 271.197**, 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, 11.088, 88.167** is the 20% darker color. If you saturate the color by 10%, you get **87, 19.848, 86.384**, and if you desaturate by 10%, it is **93, 2.609, 88.879**.

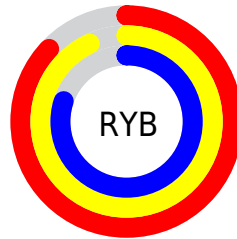
Distribution



Red (93%)

Green (88%)

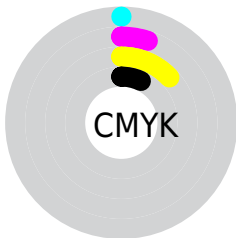
Blue (80%)



Red (87%)

Yellow (93%)

Blue (80%)

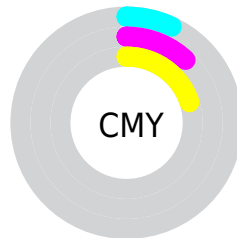


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 11.125, 87.678 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, 11.125, 87.678 by changing the saturation by 10% instead.

 90, 11.125, 87.678

 90, 11.125, 87.678

 100, 11.125,
87.678

 80, 11.125, 87.678

 70, 11.125, 87.678

 60, 11.125, 87.678

 50, 11.125, 87.678

 40, 11.125, 87.678

 30, 11.125, 87.678

 20, 11.125, 87.678

 10, 11.125, 87.678

 0, 11.125, 87.678

90, 11.125, 87.678

90, 11.125, 87.678

87, 19.848, 86.384

93, 2.609, 88.879

85, 28.760, 85.030

95, 5.707, 270.268

82, 37.814, 83.633

98, 5.344, 225.200

80, 46.901, 82.191

99, 6.419, 199.102

78, 55.804, 80.681

75, 64.112, 79.053

73, 71.129, 77.199

71, 75.921, 74.932

70, 77.880, 73.106

Harmonies

Complementary

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



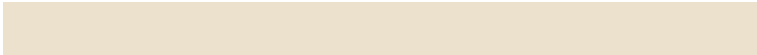
90, 11.125, 87.678



86, 11.068, 271.197

Rectangle

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



90, 11.125, 87.678



90, 11.125, 137.678



90, 11.125, 267.678



90, 11.125, 317.678

Sweetspot

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



90, 11.126, 87.691



99, 3.561, 88.792



85, 12.819, 352.723



53, 2.534, 88.711



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, 11.126, 87.691



95, 14.484, 87.312



92, 16.002, 114.400



48, 4.766, 88.152



55, 63.791, 73.676



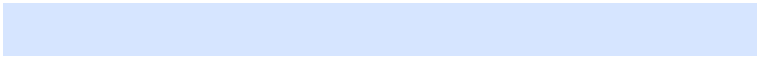
15, 23.072, 76.359

Inverse Universe

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



86, 11.068, 271.197



91, 14.380, 271.647



84, 16.478, 296.509



46, 4.753, 270.670



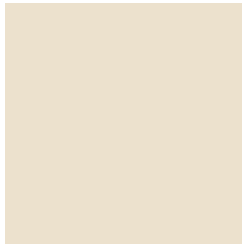
32, 72.949, 295.306



7, 26.105, 287.878

Previews

White Background



This preview shows how the CIELCh color 90, 11.125, 87.678 looks on a white background.

Color Contrast Check

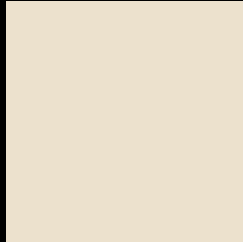
Large Text (above 18pt) WCAG AA × Fail

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, 11.125, 87.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

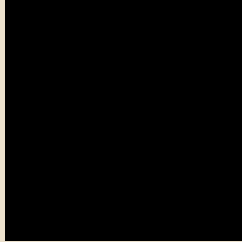
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

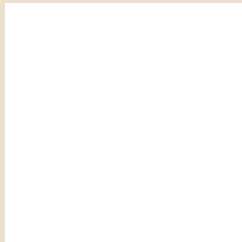
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.125, 87.678

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.125, 87.678.

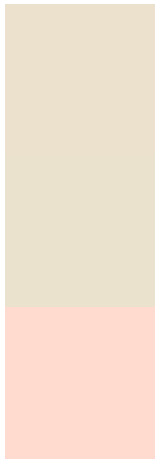


This preview shows how white text looks on a background with the CIELCh color 90, 11.125, 87.678.

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, 11.125, 87.678

Protanopia

90, 11.358, 92.105

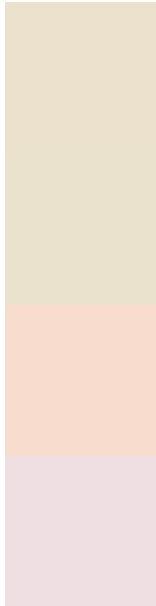
Deuteranopia

90, 15.092, 42.325



Tritanopia
90, 11.378, 329.311

Trichromacy



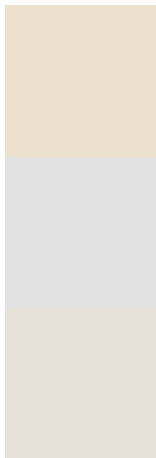
Original Color
90, 11.125, 87.678

Protanomaly
90, 11.358, 92.105

Deuteranomaly
90, 12.798, 57.127

Tritanomaly
90, 5.993, 4.725

Monochromacy



Original Color
90, 11.125, 87.678

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.373, 90.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.125, 87.678 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(236, 225, 205)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 205)  
}
```

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(236, 225, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.125, 87.678 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(236, 225, 205) }
```

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

```
.border{ border-color:rgb(236, 225, 205) }
```

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

Here you see how a box with a 4 pixel rgb(236, 225, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 205);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.125, 87.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 205) }
```

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

```
.background{ background-color: rgb(236,  
225, 205) }
```

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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