

Converting Colors

CIELCh(89, 11.145, 87.677)

Have a look what the booklet for
CIELCh(89, 11.145, 87.677) contains.

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Color

CIELCh(89, 11.154, 87.658)

Conversions

Conversions Part 1

Format	Color
Hex	E9DECA
RGB	233, 222, 202
RGB Percent	91%, 87%, 79%
CMY	0.0845, 0.1276, 0.2061
CMYK	0.00, 0.05, 0.13, 0.08
HSL	39°, 42%, 85%
HSV	39°, 13%, 92%
XYZ	70.7040, 74.1641, 66.7378
YIQ	223.0090, 12.9760, -3.8880

Conversions

Conversions Part 2

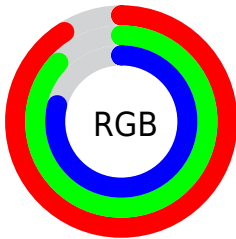
Format	Color
RYB	219, 233, 202
Decimal	15326922
CIELab	89.00, 0.46, 11.14
CIELCh	89, 11.154, 87.658
Yxy	74.1641, 0.3341, 0.3505
Android (android.graphics.Color)	4293517002 (0xFFE9DECA)
YUV	223.0090, -10.3574, 8.7621
Hunter-Lab	86.1186, -4.1578, 14.3361

Details

The CIELCh color **89, 11.154, 87.658** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 11.095, 271.219**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 11.126, 88.135** is the 20% darker color. If you saturate the color by 10%, you get **86, 19.795, 86.364**, and if you desaturate by 10%, it is **92, 2.717, 88.864**.

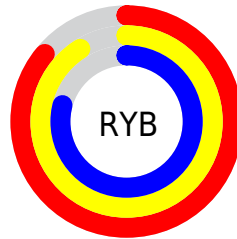
Distribution



Red (91%)

Green (87%)

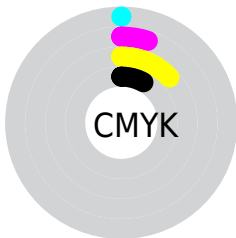
Blue (79%)



Red (86%)

Yellow (91%)

Blue (79%)

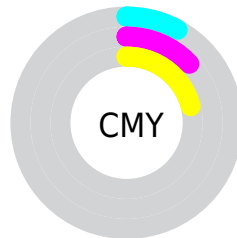


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (8%)



Cyan (8%)

Magenta (13%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 11.154, 87.658 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 89, 11.154, 87.658 by changing the saturation by 10% instead.

■ 89, 11.154, 87.658

■ 89, 11.154, 87.658

■ 100, 11.154,
87.658

■ 79, 11.154, 87.658

■ 69, 11.154, 87.658

■ 59, 11.154, 87.658

■ 49, 11.154, 87.658

■ 39, 11.154, 87.658

■ 29, 11.154, 87.658

■ 19, 11.154, 87.658

■ 9, 11.154, 87.658

■ 0, 11.154, 87.658

89, 11.154, 87.658

89, 11.154, 87.658

86, 19.795, 86.364

92, 2.717, 88.864

84, 28.622, 85.010

94, 5.520, 270.249

81, 37.589, 83.614

97, 6.101, 239.627

79, 46.588, 82.172

98, 7.370, 199.029

77, 55.400, 80.662

75, 63.617, 79.033

72, 70.548, 77.178

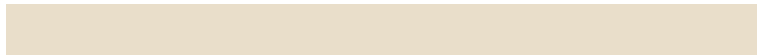
70, 75.266, 74.906

69, 77.174, 73.128

Harmonies

Complementary

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



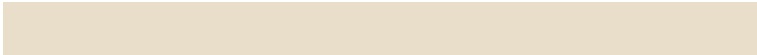
89, 11.154, 87.658



85, 11.095, 271.219

Rectangle

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



89, 11.154, 87.658



89, 11.154, 137.658



89, 11.154, 267.658



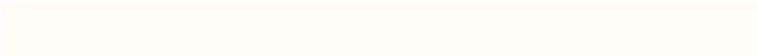
89, 11.154, 317.658

Sweetspot

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



89, 11.155, 87.670



99, 3.561, 88.792



84, 12.853, 352.739



53, 2.534, 88.710



0, 0.000, 0.000



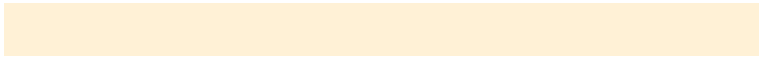
53, 0.007, 296.813

Same Dimension

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



89, 11.155, 87.670



95, 14.484, 87.311



91, 16.040, 114.389



48, 4.766, 88.151



55, 63.791, 73.675



15, 23.072, 76.358

Inverse Universe

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



85, 11.095, 271.219



91, 14.380, 271.646



83, 16.523, 296.523



46, 4.753, 270.669



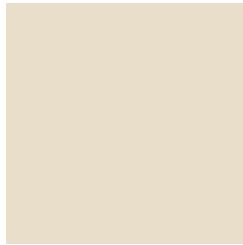
32, 72.948, 295.306



7, 26.105, 287.878

Previews

White Background



This preview shows how the CIELCh color 89, 11.154, 87.658 looks on a white background.

Color Contrast Check

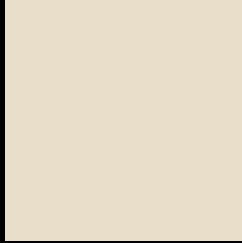
Large Text (above 18pt) WCAG AA × Fail

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 89, 11.154, 87.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

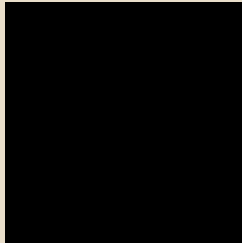
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

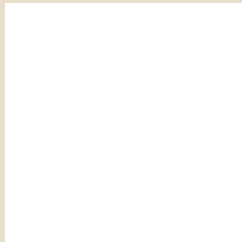
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.154, 87.658

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.154, 87.658.

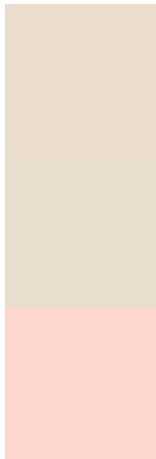


This preview shows how white text looks on a background with the CIELCh color 89, 11.154, 87.658.

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

89, 11.154, 87.658

Protanopia

89, 10.890, 91.349

Deuteranopia

89, 15.000, 44.631



Tritanopia
89, 11.405, 329.317

Trichromacy



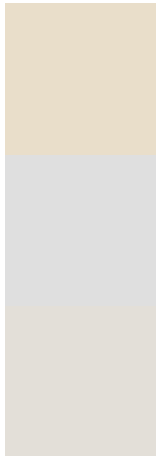
Original Color
89, 11.154, 87.658

Protanomaly
89, 11.011, 89.487

Deuteranomaly
89, 12.837, 57.111

Tritanomaly
89, 6.009, 4.734

Monochromacy



Original Color
89, 11.154, 87.658

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.897, 87.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.154, 87.658 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(233, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(233, 222, 202)  
}
```

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(233, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 222, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.154, 87.658 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(233, 222, 202) }
```

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

```
.border{ border-color:rgb(233, 222, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 222, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(233, 222,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.154, 87.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 222, 202) }
```

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

```
.background{ background-color: rgb(233,  
222, 202) }
```

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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