

Converting Colors

CIELCh(89, 11.797, 80.816)

Have a look what the booklet for
CIELCh(89, 11.797, 80.816) contains.

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Color

CIELCh(89, 11.797, 80.816)

Conversions

Conversions Part 1

Format	Color
Hex	EDDECA
RGB	237, 222, 202
RGB Percent	93%, 87%, 79%
CMY	0.0724, 0.1312, 0.2096
CMYK	0.00, 0.06, 0.15, 0.07
HSL	34°, 49%, 86%
HSV	34°, 15%, 93%
XYZ	71.3742, 74.1641, 66.1490
YIQ	224.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

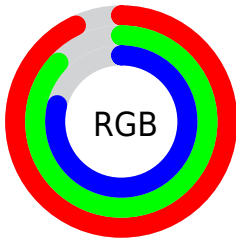
Format	Color
R _Y B	228, 237, 202
Decimal	15589066
CIE Lab	89.00, 1.88, 11.65
CIE LCh	89, 11.797, 80.816
Yxy	74.1641, 0.3372, 0.3503
Android (android.graphics.Color)	4293779146 (0xFFEDDECA)
YUV	224.2050, -10.9471, 11.2212
Hunter-Lab	86.1186, -2.7686, 14.7415

Details

The CIELCh color **89, 11.797, 80.816** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 11.551, 264.863**, 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, 11.805, 80.820** is the 20% darker color. If you saturate the color by 10%, you get **86, 20.130, 79.514**, and if you desaturate by 10%, it is **92, 3.750, 82.055**.

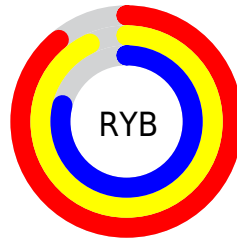
Distribution



Red (93%)

Green (87%)

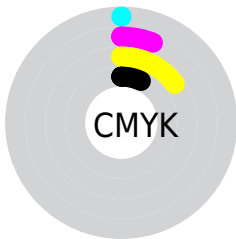
Blue (79%)



Red (89%)

Yellow (93%)

Blue (79%)

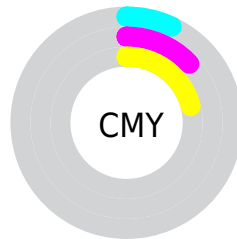


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 11.797, 80.816 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, 11.797, 80.816 by changing the saturation by 10% instead.

■ 89, 11.797, 80.816

■ 89, 11.797, 80.816

■ 100, 11.797,
80.816

■ 79, 11.797, 80.816

■ 69, 11.797, 80.816

■ 59, 11.797, 80.816

■ 49, 11.797, 80.816

■ 39, 11.797, 80.816

■ 29, 11.797, 80.816

■ 19, 11.797, 80.816

■ 9, 11.797, 80.816

■ 0, 11.797, 80.816

89, 11.797, 80.816

89, 11.797, 80.816

86, 20.130, 79.514

92, 3.750, 82.055

83, 28.748, 78.160

95, 4.030, 263.487

80, 37.621, 76.771

98, 5.484, 215.752

77, 46.662, 75.339

99, 6.336, 199.109

75, 55.671, 73.835

72, 64.244, 72.184

70, 71.652, 70.229

67, 76.866, 67.702

66, 78.791, 66.190

Harmonies

Complementary

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



89, 11.797, 80.816



86, 11.551, 264.863

Rectangle

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



89, 11.797, 80.816



89, 11.797, 130.816



89, 11.797, 260.816



89, 11.797, 310.816

Sweetspot

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



89, 11.798, 80.829



99, 3.322, 82.135



84, 15.069, 348.735



52, 2.365, 82.057



0, 0.000, 0.000



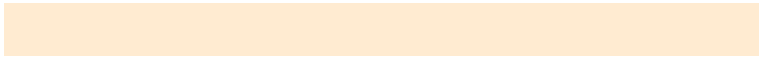
53, 0.007, 296.813

Same Dimension

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



89, 11.798, 80.829



94, 15.351, 80.402



93, 17.969, 111.519



48, 4.458, 81.504



51, 64.377, 66.851



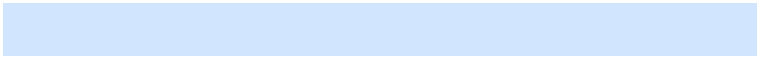
14, 22.403, 68.650

Inverse Universe

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



86, 11.551, 264.863



90, 14.944, 265.391



82, 18.587, 294.225



46, 4.406, 264.073



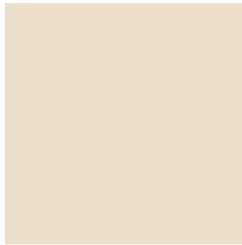
35, 64.061, 290.261



8, 23.311, 282.792

Previews

White Background



This preview shows how the CIELCh color 89, 11.797, 80.816 looks on a white background.

Color Contrast Check

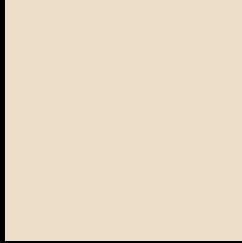
Large Text (above 18pt) WCAG AA × Fail

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, 11.797, 80.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

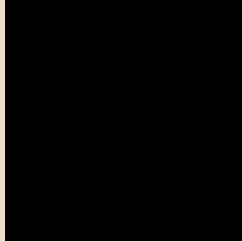
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

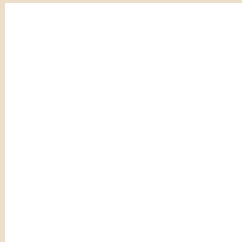
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.797, 80.816

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.797, 80.816.

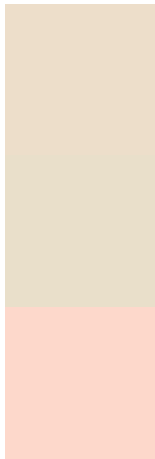


This preview shows how white text looks on a background with the CIELCh color 89, 11.797, 80.816.

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, 11.797, 80.816

Protanopia

89, 11.503, 90.292

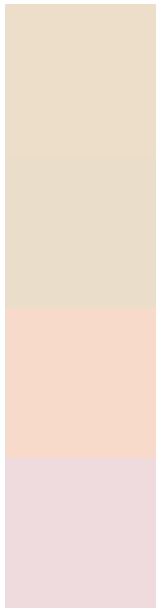
Deuteranopia

89, 15.598, 45.730



Tritanopia
89, 12.359, 334.600

Trichromacy



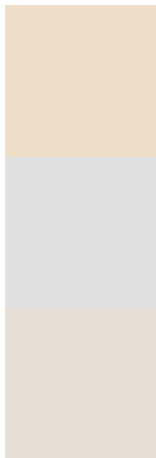
Original Color
89, 11.797, 80.816

Protanomaly
89, 11.298, 85.878

Deuteranomaly
89, 13.784, 56.837

Tritanomaly
89, 7.441, 7.808

Monochromacy



Original Color
89, 11.797, 80.816

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.219, 78.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.797, 80.816 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(237, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.797, 80.816 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(237, 222, 202) }
```

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

```
.border{ border-color:rgb(237, 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(237, 222, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.797, 80.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 202) }
```

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

```
.background{ background-color: rgb(237,  
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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