

Converting Colors

CIE LCh(89, 11.997, 91.027)

Have a look what the booklet for
CIELCh(89, 11.997, 91.027) contains.

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Color

CIELCh(89, 11.997, 91.027)

Conversions

Conversions Part 1

Format	Color
Hex	E9DFC9
RGB	233, 223, 201
RGB Percent	91%, 87%, 79%
CMY	0.0871, 0.1263, 0.2125
CMYK	0.00, 0.04, 0.14, 0.09
HSL	41°, 42%, 85%
HSV	41°, 14%, 91%
XYZ	70.3904, 74.1641, 65.7407
YIQ	223.4820, 13.0220, -4.7220

Conversions

Conversions Part 2

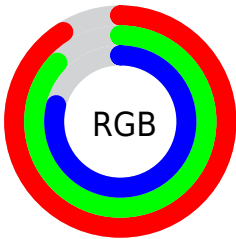
Format	Color
R _Y B	216, 233, 201
Decimal	15327177
CIE Lab	89.00, -0.22, 12.00
CIE LCh	89, 11.997, 91.027
Yxy	74.1641, 0.3347, 0.3527
Android (android.graphics.Color)	4293517257 (0xFFE9DFC9)
YUV	223.4820, -11.0836, 8.3473
Hunter-Lab	86.1186, -4.8078, 15.0226

Details

The CIELCh color **89, 11.997, 91.027** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 12.011, 274.633**, 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, 12.019, 91.618** is the 20% darker color. If you saturate the color by 10%, you get **87, 20.926, 89.752**, and if you desaturate by 10%, it is **91, 3.230, 92.232**.

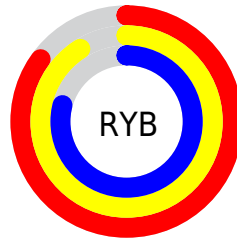
Distribution



Red (91%)

Green (87%)

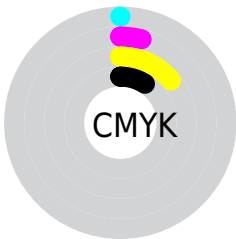
Blue (79%)



Red (85%)

Yellow (91%)

Blue (79%)

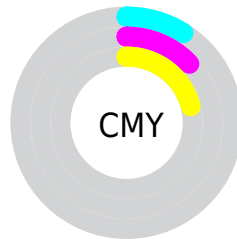


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 11.997, 91.027 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, 11.997, 91.027 by changing the saturation by 10% instead.

■ 89, 11.997, 91.027

■ 89, 11.997, 91.027

■ 100, 11.997,
91.027

■ 79, 11.997, 91.027

■ 69, 11.997, 91.027

■ 59, 11.997, 91.027

■ 49, 11.997, 91.027

■ 39, 11.997, 91.027

■ 29, 11.997, 91.027

■ 19, 11.997, 91.027

■ 9, 11.997, 91.027

■ 0, 11.997, 91.027

89, 11.997, 91.027

89, 11.997, 91.027

87, 20.926, 89.752

91, 3.230, 92.232

84, 29.986, 88.421

94, 5.373, 273.561

82, 39.114, 87.049

96, 6.618, 253.002

80, 48.180, 85.634

98, 6.684, 212.881

78, 56.934, 84.158

98, 7.589, 199.013

76, 64.933, 82.580

74, 71.467, 80.810

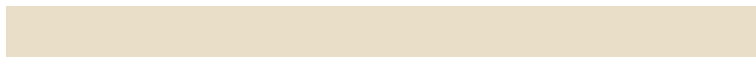
72, 75.655, 78.695

71, 77.144, 77.187

Harmonies

Complementary

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



89, 11.997, 91.027



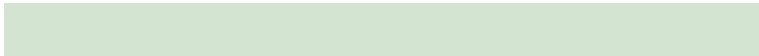
84, 12.011, 274.633

Rectangle

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



89, 11.997, 91.027



89, 11.997, 141.027



89, 11.997, 271.027



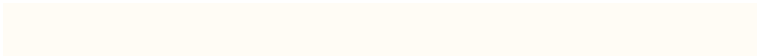
89, 11.997, 321.027

Sweetspot

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



89, 11.998, 91.038



99, 3.718, 92.203



84, 12.933, 356.123



53, 2.645, 92.122



0, 0.000, 0.000



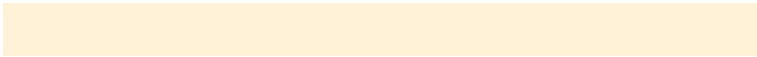
53, 0.007, 296.813

Same Dimension

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



89, 11.998, 91.038



96, 15.074, 90.743



91, 16.630, 116.385



48, 4.969, 91.569



56, 63.946, 77.664



16, 23.643, 80.545

Inverse Universe

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



84, 12.011, 274.633



90, 15.086, 274.984



82, 17.132, 298.400



46, 4.978, 274.026



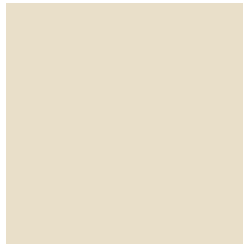
30, 78.025, 297.677



6, 27.560, 289.932

Previews

White Background



This preview shows how the CIELCh color 89, 11.997, 91.027 looks on a white background.

Color Contrast Check

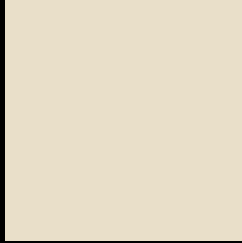
Large Text (above 18pt) WCAG AA × Fail

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, 11.997, 91.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

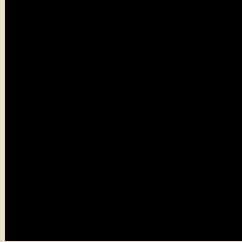
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

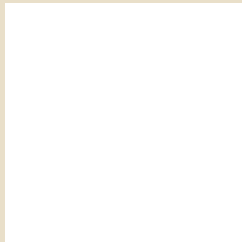
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.997, 91.027

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.997, 91.027.

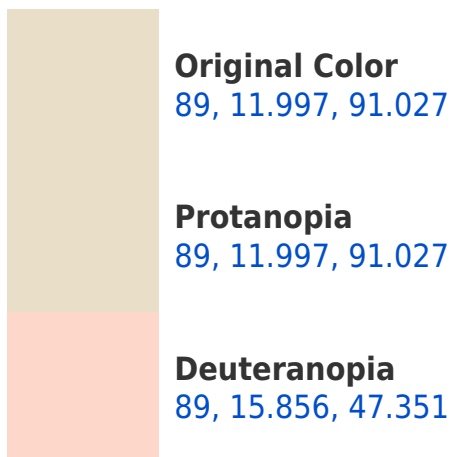


This preview shows how white text looks on a background with the CIELCh color 89, 11.997, 91.027.

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





Tritanopia
89, 11.186, 327.870

Trichromacy



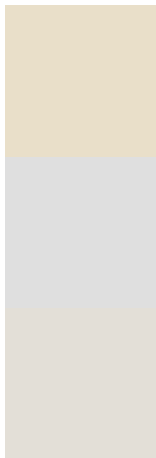
Original Color
89, 11.997, 91.027

Protanomaly
89, 11.997, 91.027

Deuteranomaly
89, 13.477, 57.808

Tritanomaly
89, 5.657, 3.737

Monochromacy



Original Color
89, 11.997, 91.027

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.384, 90.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.997, 91.027 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, 223, 201)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 201)  
}
```

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, 223, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.997, 91.027 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, 223, 201) }
```

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

```
.border{ border-color:rgb(233, 223, 201) }
```

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

Here you see how a box with a 4 pixel rgb(233, 223, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 201);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.997, 91.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 201) }
```

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

```
.background{ background-color: rgb(233,  
223, 201) }
```

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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