

Converting Colors

CIELCh(89, 12.264, 75.830)

Have a look what the booklet for
CIELCh(89, 12.264, 75.830) contains.

| | |
|--|----|
| CIELCh(89, 12.397, 76.180) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(89, 12.397, 76.180)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EFDDC9 |
| RGB | 239, 221, 201 |
| RGB Percent | 94%, 87%, 79% |
| CMY | 0.0634, 0.1339, 0.2124 |
| CMYK | 0.00, 0.08, 0.16, 0.06 |
| HSL | 32°, 54%, 86% |
| HSV | 32°, 16%, 94% |
| XYZ | 71.8835, 74.1641, 65.6904 |
| YIQ | 224.1020, 17.1480, -2.4040 |

Conversions

Conversions Part 2

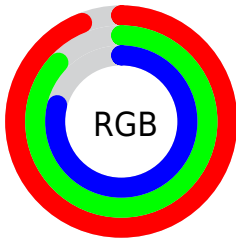
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 235, 239, 201 |
| Decimal | 15719881 |
| CIE Lab | 89.00, 2.96, 12.04 |
| CIE LCh | 89, 12.397, 76.180 |
| Yxy | 74.1641, 0.3395, 0.3503 |
| Android (android.graphics.Color) | 4293909961 (0xFFEFDDC9) |
| YUV | 224.1020, -11.3893, 13.0655 |
| Hunter-Lab | 86.1186, -1.7129, 15.0572 |

Details

The CIELCh color **89, 12.397, 76.180** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 11.981, 260.499**, 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, 12.451, 75.892** is the 20% darker color. If you saturate the color by 10%, you get **86, 20.632, 74.909**, and if you desaturate by 10%, it is **92, 4.504, 77.406**.

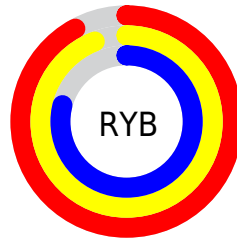
Distribution



Red (94%)

Green (87%)

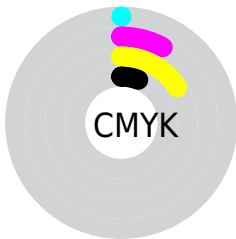
Blue (79%)



Red (92%)

Yellow (94%)

Blue (79%)

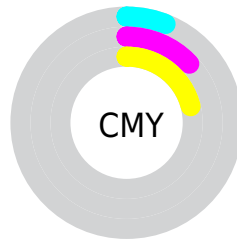


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 12.397, 76.180 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, 12.397, 76.180 by changing the saturation by 10% instead.

89, 12.397, 76.180

89, 12.397, 76.180

100, 12.397,
76.180

79, 12.397, 76.180

69, 12.397, 76.180

59, 12.397, 76.180

49, 12.397, 76.180

39, 12.397, 76.180

29, 12.397, 76.180

19, 12.397, 76.180

9, 12.397, 76.180

0, 12.397, 76.180

89, 12.397, 76.180

89, 12.397, 76.180

86, 20.632, 74.909

92, 4.504, 77.406

82, 29.217, 73.598

96, 3.073, 258.860

79, 38.134, 72.264

99, 5.479, 200.340

76, 47.305, 70.898

99, 5.555, 199.173

73, 56.538, 69.465

70, 65.424, 67.876

68, 73.197, 65.942

65, 78.748, 63.341

64, 80.530, 62.159

Harmonies

Complementary

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



89, 12.397, 76.180



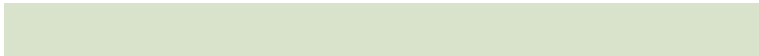
87, 11.981, 260.499

Rectangle

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



89, 12.397, 76.180



89, 12.397, 126.180



89, 12.397, 256.180



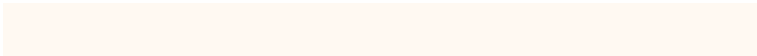
89, 12.397, 306.180

Sweetspot

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



89, 12.398, 76.193



98, 4.011, 77.502



85, 16.876, 345.937



52, 2.741, 77.427



0, 0.000, 0.000



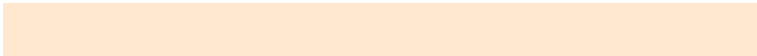
53, 0.007, 296.813

Same Dimension

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



89, 12.398, 76.193



93, 15.721, 75.791



93, 19.445, 109.330



48, 4.380, 76.990



50, 65.929, 62.832



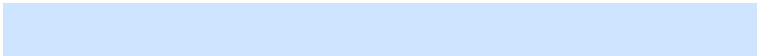
14, 23.445, 64.004

Inverse Universe

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



87, 11.981, 260.499



90, 15.074, 261.014



82, 20.170, 292.530



48, 4.300, 259.545



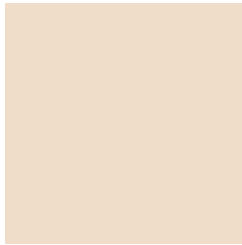
38, 59.439, 286.538



9, 22.398, 279.069

Previews

White Background



This preview shows how the CIELCh color 89, 12.397, 76.180 looks on a white background.

Color Contrast Check

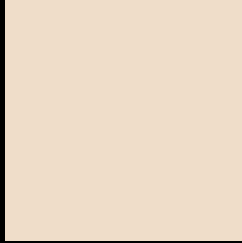
Large Text (above 18pt) WCAG AA × Fail

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, 12.397, 76.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

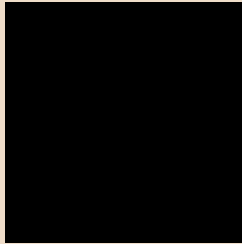
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 12.397, 76.180

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.397, 76.180.

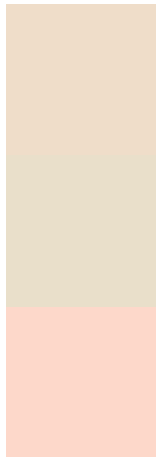


This preview shows how white text looks on a background with the CIELCh color 89, 12.397, 76.180.

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, 12.397, 76.180

Protanopia

89, 11.503, 90.292

Deuteranopia

89, 15.856, 47.351



Tritanopia
89, 13.139, 338.072

Trichromacy



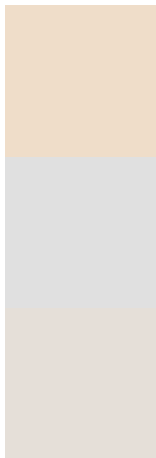
Original Color
89, 12.397, 76.180

Protanomaly
89, 11.454, 84.144

Deuteranomaly
89, 14.095, 55.908

Tritanomaly
89, 8.532, 9.468

Monochromacy



Original Color
89, 12.397, 76.180

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, 12.397, 76.180 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(239, 221, 201)` looks like.

```
.text, #text, p{  
    color:rgb(239, 221, 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(239, 221, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 221, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.397, 76.180 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(239, 221, 201) }
```

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

```
.border{ border-color:rgb(239, 221, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 221, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 221, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 221, 201);  
box-shadow:4px 4px 4px 4px rgb(239, 221,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.397, 76.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 221, 201) }
```

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

```
.background{ background-color: rgb(239,  
221, 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](#).

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