

Converting Colors

CIELCh(89, 19.516, 91.435)

Have a look what the booklet for
CIELCh(89, 19.516, 91.435) contains.

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Color

CIELCh(89, 19.407, 92.541)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EDDFBB |
| RGB | 237, 223, 187 |
| RGB Percent | 93%, 87%, 73% |
| CMY | 0.0717, 0.1265, 0.2677 |
| CMYK | 0.00, 0.06, 0.21, 0.07 |
| HSL | 43°, 58%, 83% |
| HSV | 43°, 21%, 93% |
| XYZ | 70.0895, 74.1641, 57.4870 |
| YIQ | 223.0820, 19.9000, -8.2280 |

Conversions

Conversions Part 2

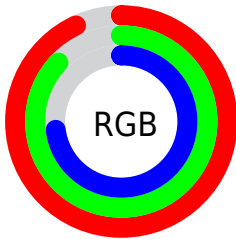
| Format | Color |
|-------------------------------------|---|
| RYB | 206, 237, 187 |
| Decimal | 15589307 |
| CIELab | 89.00, -0.86, 19.39 |
| CIELCh | 89, 19.407, 92.541 |
| Yxy | 74.1641, 0.3474, 0.3676 |
| Android (android.graphics.Color) | 4293779387 (0xFFEDDFBB) |
| YUV | 223.0820, -17.7884, 12.2061 |
| Hunter-Lab | 86.1186, -5.4314, 20.7050 |

Details

The CIELCh color **89, 19.407, 92.541** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **81, 19.564, 278.132**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **69, 19.308, 92.222** is the 20% darker color. If you saturate the color by 10%, you get **87, 28.786, 91.254**, and if you desaturate by 10%, it is **91, 10.137, 93.796**.

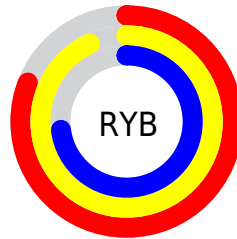
Distribution



Red (93%)

Green (87%)

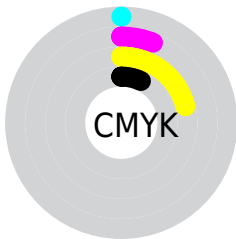
Blue (73%)



Red (81%)

Yellow (93%)

Blue (73%)

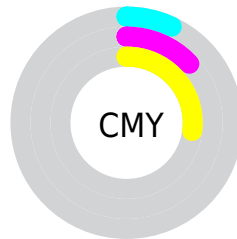


Cyan (0%)

Magenta (6%)

Yellow (21%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 19.407, 92.541 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, 19.407, 92.541 by changing the saturation by 10% instead.

89, 19.407, 92.541

89, 19.407, 92.541

100, 19.407,
92.541

79, 19.407, 92.541

69, 19.407, 92.541

59, 19.407, 92.541

49, 19.407, 92.541

39, 19.407, 92.541

29, 19.407, 92.541

19, 19.407, 92.541

9, 19.407, 92.541

0, 19.407, 92.541

89, 19.407, 92.541

89, 19.407, 92.541

87, 28.786, 91.254

91, 10.137, 93.796

85, 38.207, 89.922

93, 1.000, 94.802

83, 47.545, 88.553

96, 6.638, 272.981

81, 56.568, 87.138

97, 5.161, 234.164

79, 64.866, 85.653

99, 6.271, 199.114

77, 71.783, 84.036

76, 76.463, 82.175

74, 78.536, 80.253

Harmonies

Complementary

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



89, 19.407, 92.541



81, 19.564, 278.132

Rectangle

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



89, 19.407, 92.541



89, 19.407, 142.541



89, 19.407, 272.541



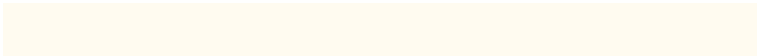
89, 19.407, 322.541

Sweetspot

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



89, 19.408, 92.548



99, 5.784, 94.401



81, 20.119, 359.309



52, 3.839, 94.326



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, 19.408, 92.548



94, 24.475, 92.037



92, 25.941, 117.224



48, 5.135, 93.996



58, 64.312, 80.700



16, 24.164, 83.595

Inverse Universe

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



81, 19.564, 278.132



84, 24.713, 278.805



78, 27.138, 300.236



46, 5.161, 276.399



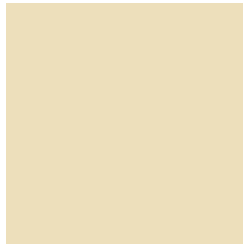
29, 81.816, 299.266



5, 28.591, 291.205

Previews

White Background



This preview shows how the CIELCh color 89, 19.407, 92.541 looks on a white background.

Color Contrast Check

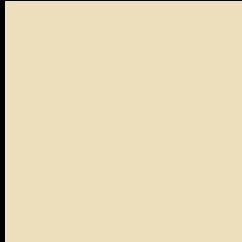
Large Text (above 18pt) WCAG AA × Fail

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, 19.407, 92.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

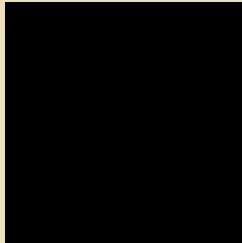
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

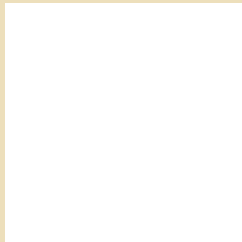
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 19.407, 92.541

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.407, 92.541.

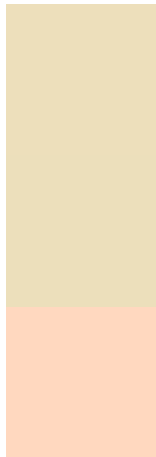


This preview shows how white text looks on a background with the CIELCh color 89, 19.407, 92.541.

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, 19.407, 92.541

Protanopia

89, 19.302, 93.644

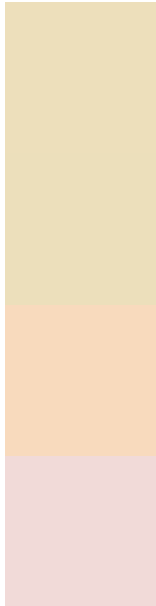
Deuteranopia

89, 20.008, 60.263



Tritanopia
89, 13.139, 338.072

Trichromacy



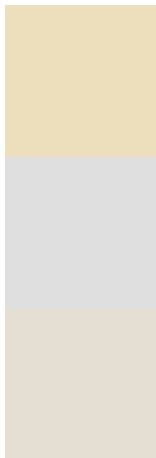
Original Color
89, 19.407, 92.541

Protanomaly
89, 19.302, 93.644

Deuteranomaly
89, 19.071, 71.545

Tritanomaly
89, 8.515, 26.920

Monochromacy



Original Color
89, 19.407, 92.541

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 6.978, 94.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.407, 92.541 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, 223, 187)` looks like.

```
.text, #text, p{  
    color:rgb(237, 223, 187)  
}
```

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, 223, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 223, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.407, 92.541 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, 223, 187) }
```

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

```
.border{ border-color:rgb(237, 223, 187) }
```

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

Here you see how a box with a 4 pixel rgb(237, 223, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 223, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 223, 187);  
box-shadow:4px 4px 4px 4px rgb(237, 223,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.407, 92.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 223, 187) }
```

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

```
.background{ background-color: rgb(237,  
223, 187) }
```

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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