

Converting Colors

CIELCh(89, 1.860, 90.616)

Have a look what the booklet for
CIELCh(89, 1.860, 90.616) contains.

| | |
|--|----|
| CIELCh(89, 1.702, 84.955) | 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, 1.702, 84.955)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E1DFDC |
| RGB | 225, 223, 220 |
| RGB Percent | 88%, 87%, 86% |
| CMY | 0.1165, 0.1243, 0.1361 |
| CMYK | 0.00, 0.01, 0.02, 0.12 |
| HSL | 36°, 8%, 87% |
| HSV | 36°, 2%, 88% |
| XYZ | 70.5607, 74.1641, 78.5046 |
| YIQ | 223.2560, 2.1550, -0.5090 |

Conversions

Conversions Part 2

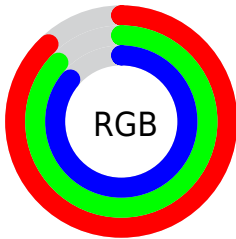
| Format | Color |
|-------------------------------------|---|
| RYB | 223, 225, 220 |
| Decimal | 14802908 |
| CIELab | 89.00, 0.15, 1.70 |
| CIElCh | 89, 1.702, 84.955 |
| Yxy | 74.1641, 0.3161, 0.3322 |
| Android (android.graphics.Color) | 4292992988 (0xFFE1DFDC) |
| YUV | 223.2560, -1.6052, 1.5295 |
| Hunter-Lab | 86.1186, -4.4547, 6.2351 |

Details

The CIELCh color **89, 1.702, 84.955** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 1.717, 265.954**, 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, 1.798, 84.915** is the 20% darker color. If you saturate the color by 10%, you get **86, 9.559, 83.901**, and if you desaturate by 10%, it is **92, 5.925, 266.500**.

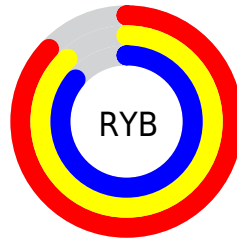
Distribution



Red (88%)

Green (87%)

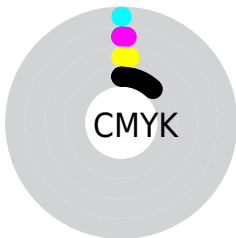
Blue (86%)



Red (87%)

Yellow (88%)

Blue (86%)

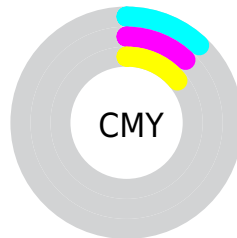


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 1.702, 84.955 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, 1.702, 84.955 by changing the saturation by 10% instead.



89, 1.702, 84.955

89, 1.702, 84.955

86, 9.559, 83.901

92, 5.925, 266.500

83, 17.656, 82.596

94, 8.799, 252.725

81, 25.990, 81.245

97, 8.757, 215.045

78, 34.537, 79.854

98, 10.078,
198.835

76, 43.217, 78.420

73, 51.861, 76.922

71, 60.126, 75.304

68, 67.400, 73.450

66, 72.767, 71.145

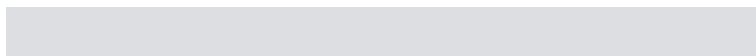
Harmonies

Complementary

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



89, 1.702, 84.955



88, 1.717, 265.954

Rectangle

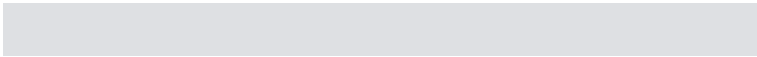
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 1.702, 84.955



89, 1.702, 134.955



89, 1.702, 264.955



89, 1.702, 314.955

Sweetspot

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



89, 1.703, 85.028



100, 0.841, 84.953



88, 2.093, 349.380



53, 0.478, 84.937



0, 0.000, 0.000



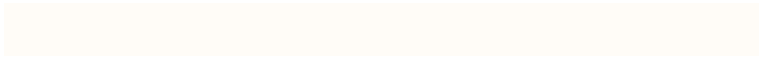
53, 0.007, 296.813

Same Dimension

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



89, 1.703, 85.028



99, 2.552, 84.977



89, 2.594, 113.919



47, 1.745, 84.909



51, 62.668, 69.596



13, 20.087, 71.557

Inverse Universe

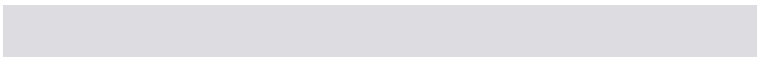
The Inverse Universe completely reimagines the original color for something new.



88, 1.717, 265.954



98, 2.563, 266.009



88, 2.627, 294.299



46, 1.749, 266.081



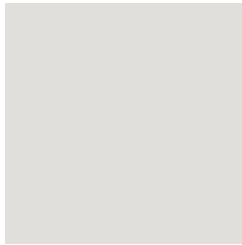
33, 66.001, 292.323



6, 22.151, 282.974

Previews

White Background



This preview shows how the CIELCh color 89, 1.702, 84.955 looks on a white background.

Color Contrast Check

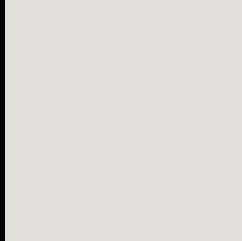
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 1.702, 84.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

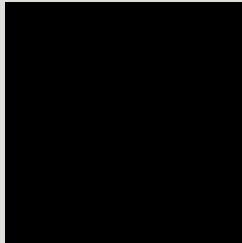
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

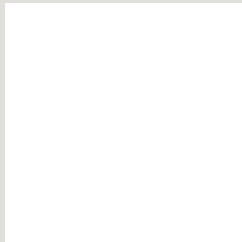
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 1.702, 84.955

Background



This preview shows how black text looks on a background with the CIELCh color 89, 1.702, 84.955.

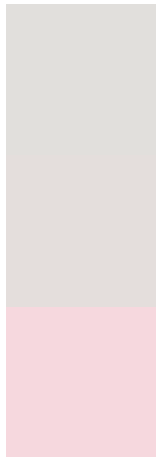


This preview shows how white text looks on a background with the CIELCh color 89, 1.702, 84.955.

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, 1.702, 84.955

Protanopia

89, 2.392, 45.020

Deuteranopia

89, 11.391, 4.377



Tritanopia
89, 9.233, 306.270

Trichromacy



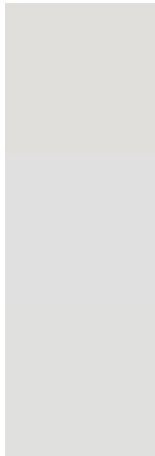
Original Color
89, 1.702, 84.955

Protanomaly
89, 2.070, 49.334

Deuteranomaly
89, 6.994, 11.305

Tritanomaly
89, 5.531, 309.234

Monochromacy



Original Color
89, 1.702, 84.955

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.509, 109.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 1.702, 84.955 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(225, 223, 220)` looks like.

```
.text, #text, p{  
    color:rgb(225, 223, 220)  
}
```

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(225, 223, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 223, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 1.702, 84.955 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(225, 223, 220) }
```

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

```
.border{ border-color:rgb(225, 223, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 223, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 223, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 223, 220); box-shadow:4px 4px 4px 4px rgb(225, 223, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 1.702, 84.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 223, 220) }
```

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

```
.background{ background-color: rgb(225,  
223, 220) }
```

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