

Converting Colors

CIELCh(87, 5.637, 54.458)

Have a look what the booklet for
CIELCh(87, 5.637, 54.458) contains.

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Color

CIELCh(87, 5.715, 59.185)

Conversions

Conversions Part 1

Format	Color
Hex	E4D8D1
RGB	228, 216, 209
RGB Percent	89%, 85%, 82%
CMY	0.1070, 0.1540, 0.1815
CMYK	0.00, 0.05, 0.08, 0.11
HSL	22°, 26%, 86%
HSV	22°, 8%, 89%
XYZ	67.8640, 70.0064, 70.0779
YIQ	218.7900, 9.3990, 0.3670

Conversions

Conversions Part 2

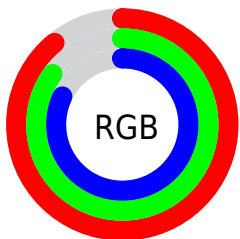
Format	Color
R _Y B	228, 220, 209
Decimal	14997713
CIE Lab	87.00, 2.93, 4.91
CIE LCh	87, 5.715, 59.185
Yxy	70.0064, 0.3264, 0.3367
Android (android.graphics.Color)	4293187793 (0xFFE4D8D1)
YUV	218.7900, -4.8265, 8.0772
Hunter-Lab	83.6698, -1.6421, 8.9103

Details

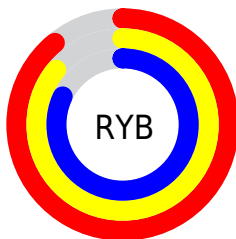
The CIELCh color **87, 5.715, 59.185** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 5.510, 241.001**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 5.726, 54.816** is the 20% darker color. If you saturate the color by 10%, you get **83, 13.002, 58.360**, and if you desaturate by 10%, it is **91, 1.108, 240.687**.

Distribution



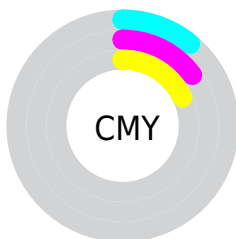
- Red (89%)
- Green (85%)
- Blue (82%)



- Red (89%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (8%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.715, 59.185 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 87, 5.715, 59.185 by changing the saturation by 10% instead.



87, 5.715, 59.185

87, 5.715, 59.185

83, 13.002, 58.360

91, 1.108, 240.687

79, 20.800, 57.512

95, 7.517, 241.225

75, 29.146, 56.709

98, 9.277, 198.891

71, 38.052, 55.968

67, 47.476, 55.287

64, 57.267, 54.631

61, 67.047, 53.888

58, 75.999, 52.785

55, 82.908, 50.925

Harmonies

Complementary

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



87, 5.715, 59.185



87, 5.510, 241.001

Rectangle

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



87, 5.715, 59.185



87, 5.715, 109.185



87, 5.715, 239.185



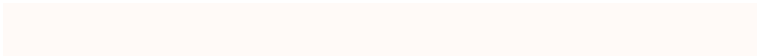
87, 5.715, 289.185

Sweetspot

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



87, 5.715, 59.211



99, 2.211, 59.538



86, 9.358, 337.680



52, 1.681, 59.517



0, 0.000, 0.000



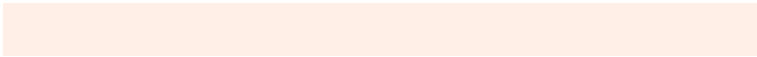
53, 0.007, 296.813

Same Dimension

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



87, 5.715, 59.211



95, 7.555, 59.070



89, 8.572, 103.222



46, 3.931, 59.120



43, 69.611, 51.246



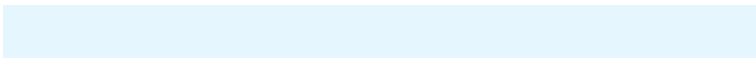
10, 21.538, 46.864

Inverse Universe

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



87, 5.510, 241.001



96, 7.221, 241.177



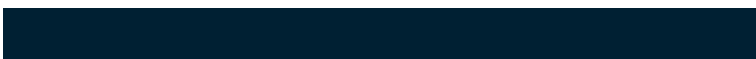
85, 8.696, 285.089



46, 3.769, 241.114



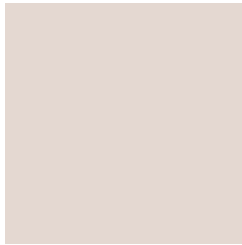
46, 42.288, 267.644



11, 16.008, 258.155

Previews

White Background



This preview shows how the CIELCh color 87, 5.715, 59.185 looks on a white background.

Color Contrast Check

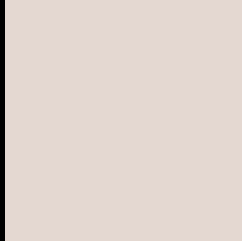
Large Text (above 18pt) WCAG AA × Fail

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 87, 5.715, 59.185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

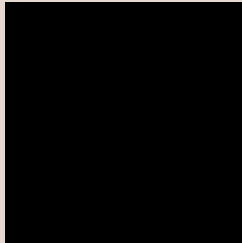
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

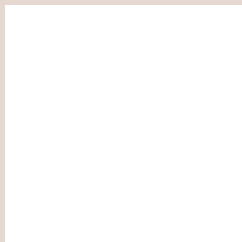
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.715, 59.185

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.715, 59.185.

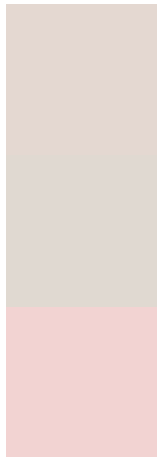


This preview shows how white text looks on a background with the CIELCh color 87, 5.715, 59.185.

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

87, 5.715, 59.185

Protanopia

87, 4.880, 78.032

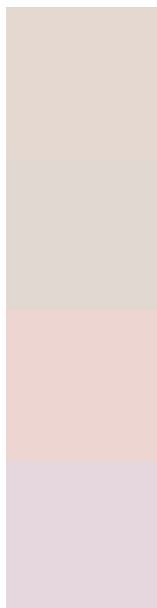
Deuteranopia

87, 11.528, 22.784



Tritanopia
87, 10.604, 328.036

Trichromacy



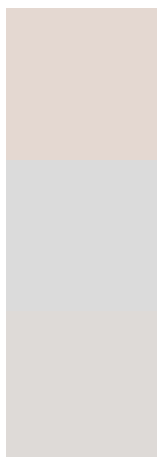
Original Color
87, 5.715, 59.185

Protanomaly
87, 5.083, 74.476

Deuteranomaly
87, 9.020, 29.928

Tritanomaly
87, 7.160, 344.165

Monochromacy



Original Color
87, 5.715, 59.185

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.117, 66.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.715, 59.185 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(228, 216, 209)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 209)  
}
```

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(228, 216, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.715, 59.185 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(228, 216, 209) }
```

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

```
.border{ border-color:rgb(228, 216, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 209);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.715, 59.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 209) }
```

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

```
.background{ background-color: rgb(228,  
216, 209) }
```

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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