

Converting Colors

CIELCh(87, 5.103, 50.250)

Have a look what the booklet for
CIELCh(87, 5.103, 50.250) contains.

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Color

CIELCh(87, 5.103, 50.250)

Conversions

Conversions Part 1

Format	Color
Hex	E4D8D3
RGB	228, 216, 211
RGB Percent	89%, 85%, 83%
CMY	0.1075, 0.1546, 0.1742
CMYK	0.00, 0.05, 0.07, 0.11
HSL	18°, 24%, 86%
HSV	18°, 7%, 89%
XYZ	68.0169, 70.0064, 71.2838
YIQ	219.0180, 8.7570, 0.9890

Conversions

Conversions Part 2

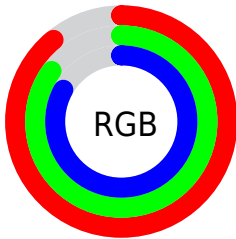
Format	Color
R _Y B	228, 218, 211
Decimal	14997715
CIE Lab	87.00, 3.26, 3.92
CIE LCh	87, 5.103, 50.250
Yxy	70.0064, 0.3250, 0.3345
Android (android.graphics.Color)	4293187795 (0xFFE4D8D3)
YUV	219.0180, -3.9529, 7.8772
Hunter-Lab	83.6698, -1.3158, 8.0559

Details

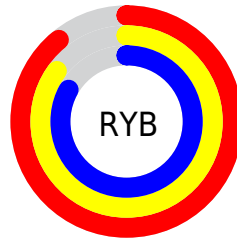
The CIELCh color **87, 5.103, 50.250** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 4.904, 231.503**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 5.152, 44.939** is the 20% darker color. If you saturate the color by 10%, you get **82, 12.403, 49.757**, and if you desaturate by 10%, it is **92, 1.675, 231.362**.

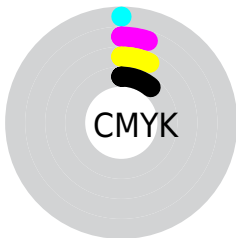
Distribution



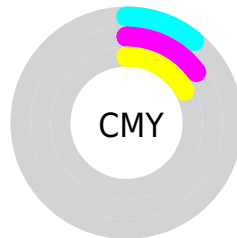
- Red (89%)
- Green (85%)
- Blue (83%)



- Red (89%)
- Yellow (85%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (11%)

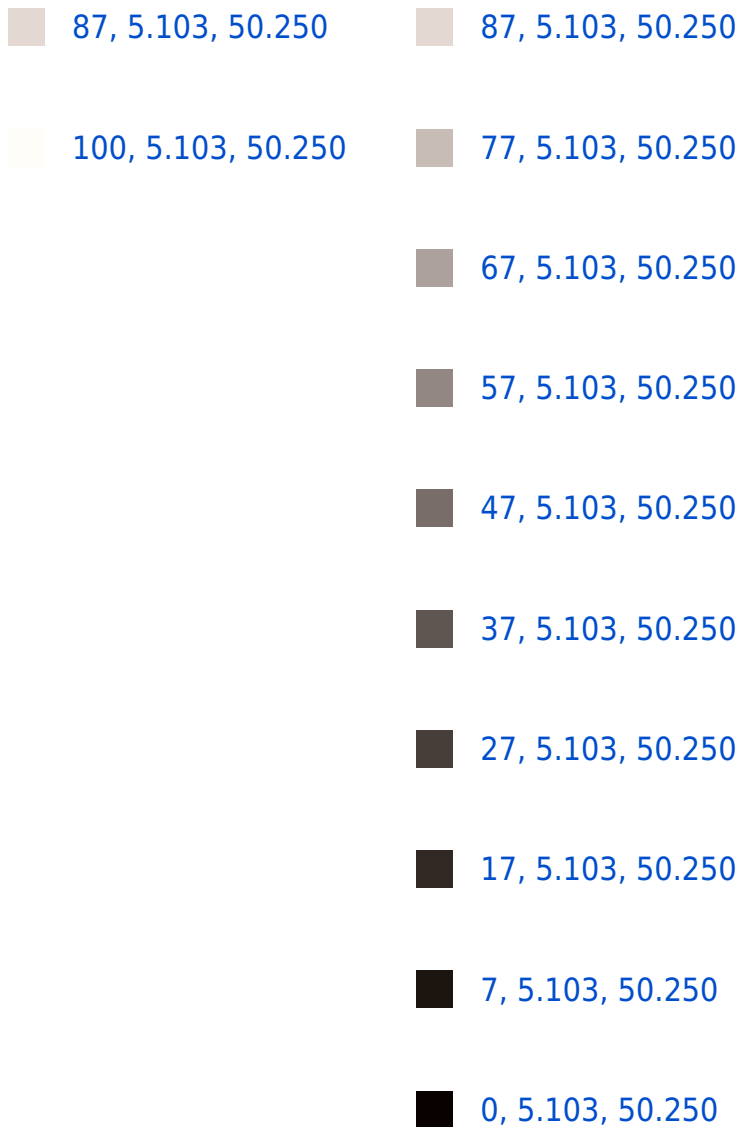


- Cyan (11%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.103, 50.250 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, 5.103, 50.250 by changing the saturation by 10% instead.



87, 5.103, 50.250

87, 5.103, 50.250

82, 12.403, 49.757

92, 1.675, 231.362

78, 20.281, 49.263

96, 7.720, 228.106

74, 28.780, 48.856

98, 9.322, 198.887

69, 37.920, 48.564

66, 47.670, 48.400

62, 57.901, 48.345

58, 68.272, 48.305

55, 78.007, 48.011

53, 85.698, 46.960

Harmonies

Complementary

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



87, 5.103, 50.250



88, 4.904, 231.503

Rectangle

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



87, 5.103, 50.250



87, 5.103, 100.250



87, 5.103, 230.250



87, 5.103, 280.250

Sweetspot

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



87, 5.103, 50.279



99, 1.466, 50.315



86, 8.882, 334.081



53, 0.833, 50.300



0, 0.000, 0.000



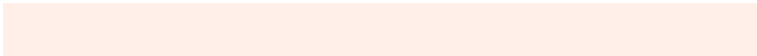
53, 0.007, 296.813

Same Dimension

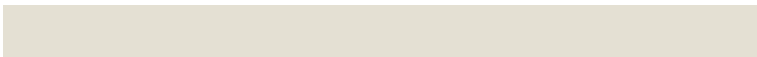
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 5.103, 50.279



95, 6.786, 50.201



89, 7.023, 98.501



46, 3.938, 50.181



41, 72.496, 47.241



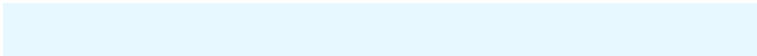
9, 22.351, 40.182

Inverse Universe

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



88, 4.904, 231.503



97, 6.461, 231.610



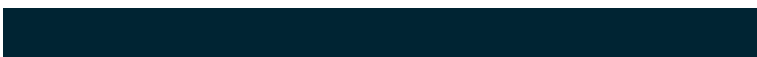
86, 7.088, 280.302



46, 3.740, 231.639



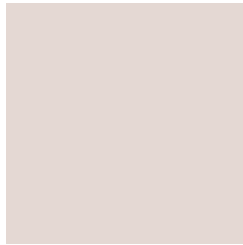
50, 37.099, 254.919



13, 14.664, 245.913

Previews

White Background



This preview shows how the CIELCh color 87, 5.103, 50.250 looks on a white background.

Color Contrast Check

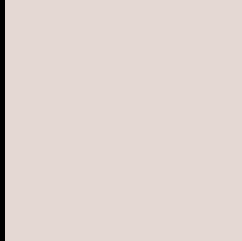
Large Text (above 18pt) WCAG AA × Fail

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 87, 5.103, 50.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

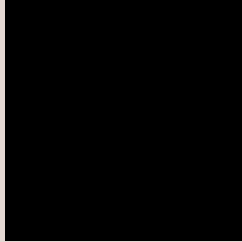
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

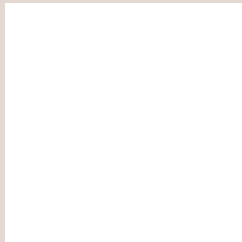
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.103, 50.250

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.103, 50.250.

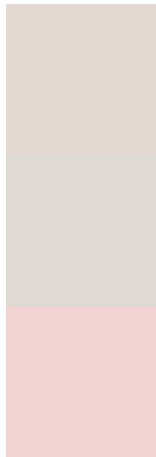


This preview shows how white text looks on a background with the CIELCh color 87, 5.103, 50.250.

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, 5.103, 50.250

Protanopia

87, 3.802, 74.662

Deuteranopia

87, 11.109, 17.504



Tritanopia
87, 10.390, 326.447

Trichromacy



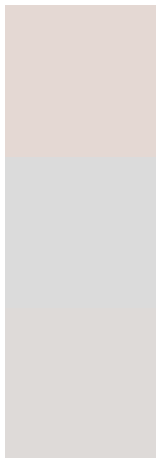
Original Color
87, 5.103, 50.250

Protanomaly
87, 4.185, 57.978

Deuteranomaly
87, 8.556, 26.930

Tritanomaly
87, 6.870, 342.361

Monochromacy



Original Color
87, 5.103, 50.250

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.771, 55.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.103, 50.250 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.103, 50.250 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, 211) }
```

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

```
.border{ border-color:rgb(228, 216, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 211);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.103, 50.250 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, 211) }
```

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

```
.background{ background-color: rgb(228,  
216, 211) }
```

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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