

Converting Colors

CIELCh(87, 3.003, 63.280)

Have a look what the booklet for
CIELCh(87, 3.003, 63.280) contains.

CIELCh(87, 3.003, 63.280)	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(87, 3.003, 63.280)

Conversions

Conversions Part 1

Format	Color
Hex	DFD9D5
RGB	223, 217, 213
RGB Percent	87%, 85%, 84%
CMY	0.1261, 0.1496, 0.1653
CMYK	0.00, 0.03, 0.04, 0.13
HSL	24°, 13%, 85%
HSV	24°, 4%, 87%
XYZ	67.1479, 70.0064, 72.8230
YIQ	218.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

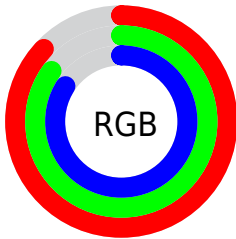
Format	Color
RYB	223, 220, 213
Decimal	14670293
CIELab	87.00, 1.35, 2.68
CIELCh	87, 3.003, 63.280
Yxy	70.0064, 0.3198, 0.3334
Android (android.graphics.Color)	4292860373 (0xFFDFD9D5)
YUV	218.3380, -2.6316, 4.0886
Hunter-Lab	83.6698, -3.1698, 6.9652

Details

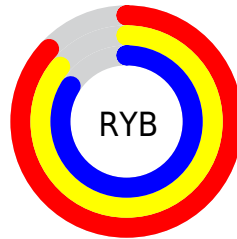
The CIELCh color **87, 3.003, 63.280** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 2.961, 244.581**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 3.181, 63.180** is the 20% darker color. If you saturate the color by 10%, you get **83, 10.014, 62.423**, and if you desaturate by 10%, it is **91, 3.599, 244.642**.

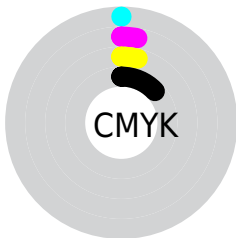
Distribution



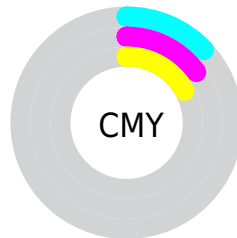
- Red (87%)
- Green (85%)
- Blue (84%)



- Red (87%)
- Yellow (86%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 3.003, 63.280 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, 3.003, 63.280 by changing the saturation by 10% instead.

87, 3.003, 63.280

87, 3.003, 63.280

100, 3.003, 63.280

77, 3.003, 63.280

67, 3.003, 63.280

57, 3.003, 63.280

47, 3.003, 63.280

37, 3.003, 63.280

27, 3.003, 63.280

17, 3.003, 63.280

7, 3.003, 63.280

0, 3.003, 63.280

87, 3.003, 63.280

87, 3.003, 63.280

83, 10.014, 62.423

91, 3.599, 244.642

79, 17.477, 61.445

95, 9.032, 239.763

76, 25.430, 60.485

98, 10.877,
198.780

72, 33.891, 59.562

68, 42.838, 58.679

65, 52.168, 57.814

62, 61.605, 56.889

59, 70.542, 55.710

56, 77.856, 53.889

Harmonies

Complementary

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



87, 3.003, 63.280



87, 2.961, 244.581

Rectangle

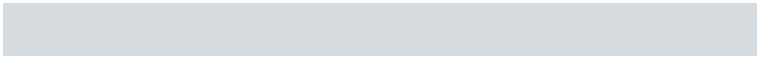
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



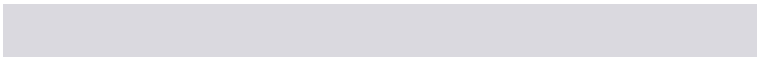
87, 3.003, 63.280



87, 3.003, 113.280



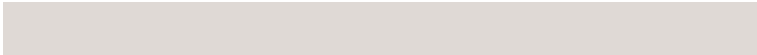
87, 3.003, 243.280



87, 3.003, 293.280

Sweetspot

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



87, 3.003, 63.327



100, 0.734, 63.117



86, 4.813, 338.883



53, 0.417, 63.083



0, 0.000, 0.000



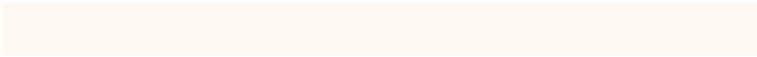
53, 0.007, 296.813

Same Dimension

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



87, 3.003, 63.327



98, 3.741, 63.289



88, 4.684, 105.316



46, 2.303, 63.240



44, 67.665, 53.304



10, 19.998, 49.348

Inverse Universe

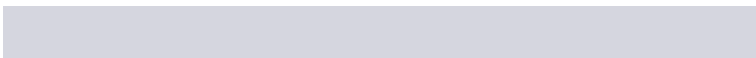
The Inverse Universe completely reimagines the original color for something new.



87, 2.961, 244.581



98, 3.679, 244.625



86, 4.738, 286.307



46, 2.258, 244.680



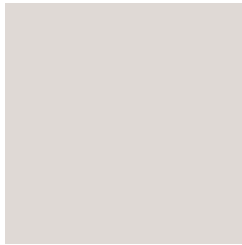
43, 44.514, 272.206



10, 16.135, 262.198

Previews

White Background



This preview shows how the CIE LCh color 87, 3.003, 63.280 looks on a white background.

Color Contrast Check

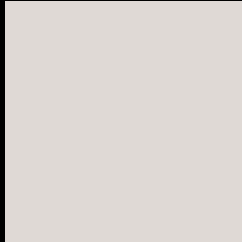
Large Text (above 18pt) WCAG AA × Fail

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, 3.003, 63.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

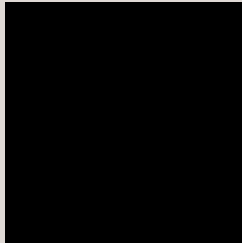
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

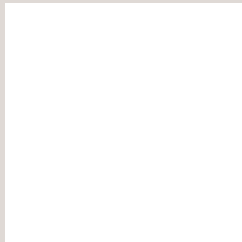
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 3.003, 63.280

Background



This preview shows how black text looks on a background with the CIELCh color 87, 3.003, 63.280.

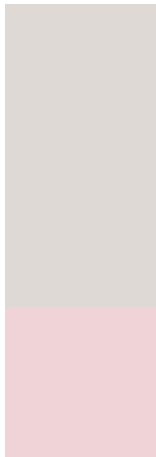


This preview shows how white text looks on a background with the CIELCh color 87, 3.003, 63.280.

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, 3.003, 63.280

Protanopia

87, 3.003, 63.280

Deuteranopia

87, 10.798, 11.863



Tritanopia
87, 9.917, 316.207

Trichromacy



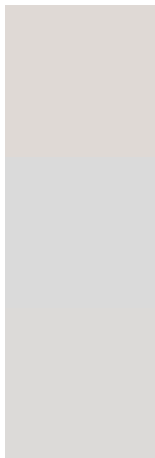
Original Color
87, 3.003, 63.280

Protanomaly
87, 3.003, 63.280

Deuteranomaly
87, 7.724, 16.039

Tritanomaly
87, 5.955, 327.477

Monochromacy



Original Color
87, 3.003, 63.280

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.255, 74.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 3.003, 63.280 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(223, 217, 213)` looks like.

```
.text, #text, p{  
    color:rgb(223, 217, 213)  
}
```

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(223, 217, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 217, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 3.003, 63.280 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(223, 217, 213) }
```

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

```
.border{ border-color:rgb(223, 217, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 217, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 217, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 217, 213);  
box-shadow:4px 4px 4px 4px rgb(223, 217,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 3.003, 63.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 217, 213) }
```

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

```
.background{ background-color: rgb(223,  
217, 213) }
```

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