

Converting Colors

CIELCh(87, 7.962, 102.263)

Have a look what the booklet for
CIELCh(87, 7.962, 102.263) contains.

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Color

CIELCh(87, 7.888, 101.419)

Conversions

Conversions Part 1

Format	Color
Hex	DDDACB
RGB	221, 218, 203
RGB Percent	87%, 85%, 80%
CMY	0.1324, 0.1441, 0.2030
CMYK	0.00, 0.01, 0.08, 0.13
HSL	50°, 21%, 83%
HSV	50°, 8%, 87%
XYZ	65.8393, 70.0064, 66.6960
YIQ	217.1870, 6.6030, -4.0290

Conversions

Conversions Part 2

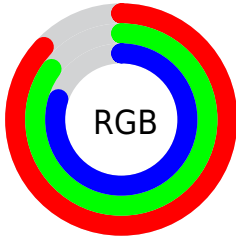
Format	Color
R_{YB}	207, 221, 203
Decimal	14539467
CIE Lab	87.00, -1.56, 7.73
CIE LCh	87, 7.888, 101.419
Yxy	70.0064, 0.3251, 0.3456
Android (android.graphics.Color)	4292729547 (0xFFDDDACB)
YUV	217.1870, -6.9942, 3.3440
Hunter-Lab	83.6698, -5.9616, 11.3068

Details

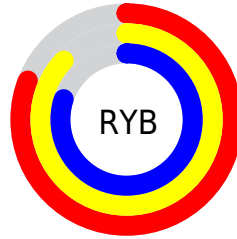
The CIELCh color **87, 7.888, 101.419** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 7.988, 283.305**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 7.784, 100.647** is the 20% darker color. If you saturate the color by 10%, you get **86, 17.639, 100.312**, and if you desaturate by 10%, it is **88, 1.813, 282.631**.

Distribution



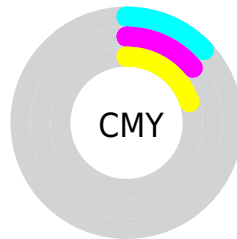
- Red (87%)
- Green (85%)
- Blue (80%)



- Red (81%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.888, 101.419 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, 7.888, 101.419 by changing the saturation by 10% instead.

■ 87, 7.888, 101.419

■ 87, 7.888, 101.419

■ 100, 7.888,
101.419

■ 77, 7.888, 101.419

■ 67, 7.888, 101.419

■ 57, 7.888, 101.419

■ 47, 7.888, 101.419

■ 37, 7.888, 101.419

■ 27, 7.888, 101.419

■ 17, 7.888, 101.419

■ 7, 7.888, 101.419

■ 0, 7.888, 101.419

87, 7.888, 101.419

87, 7.888, 101.419

86, 17.639,
100.312

88, 1.813, 282.631

84, 27.392, 99.157

90, 11.445,
283.618

83, 37.070, 97.983

91, 13.539,
279.699

82, 46.536, 96.798

92, 11.967,
271.799

80, 55.561, 95.614

79, 63.769, 94.436

93, 10.685,
261.824

78, 70.602, 93.259

94, 9.800, 249.673

77, 75.367, 92.062

95, 9.419, 235.919

76, 77.640, 90.802

96, 9.597, 221.922

97, 10.300,
209.184

Harmonies

Complementary

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



87, 7.888, 101.419



83, 7.988, 283.305

Rectangle

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



87, 7.888, 101.419



87, 7.888, 151.419



87, 7.888, 281.419



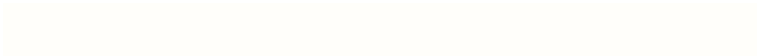
87, 7.888, 331.419

Sweetspot

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



87, 7.890, 101.432



100, 2.163, 102.050



83, 6.823, 6.482



53, 1.230, 102.057



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, 7.890, 101.432



98, 10.888, 101.219



87, 9.647, 122.616



45, 5.468, 101.291



61, 65.076, 90.792



15, 22.484, 93.680

Inverse Universe

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



83, 7.988, 283.305



93, 11.047, 283.544



83, 9.802, 303.495



43, 5.544, 283.462



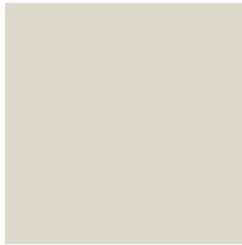
23, 90.342, 303.342



3, 26.215, 291.037

Previews

White Background



This preview shows how the CIELCh color 87, 7.888, 101.419 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, 7.888, 101.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

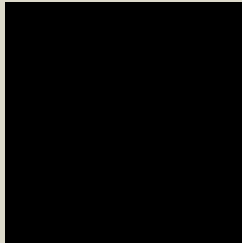
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

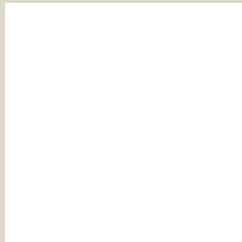
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.888, 101.419

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.888, 101.419.

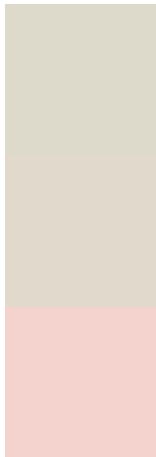


This preview shows how white text looks on a background with the CIELCh color 87, 7.888, 101.419.

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

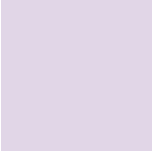
87, 7.888, 101.419

Protanopia

87, 7.865, 87.359

Deuteranopia

87, 13.031, 31.758



Tritanopia
87, 9.769, 314.320

Trichromacy



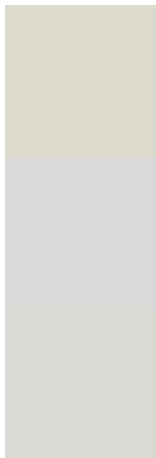
Original Color
87, 7.888, 101.419

Protanomaly
87, 7.733, 89.926

Deuteranomaly
87, 9.800, 48.424

Tritanomaly
87, 3.915, 337.644

Monochromacy



Original Color
87, 7.888, 101.419

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.696, 94.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.888, 101.419 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(221, 218, 203)` looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 203)  
}
```

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(221, 218, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.888, 101.419 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(221, 218, 203) }
```

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

```
.border{ border-color:rgb(221, 218, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 203);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.888, 101.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 203) }
```

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

```
.background{ background-color: rgb(221,  
218, 203) }
```

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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