

Converting Colors

CIELCh(87, 4.295, 107.739)

Have a look what the booklet for
CIELCh(87, 4.295, 107.739) contains.

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Color

CIELCh(87, 4.180, 104.803)

Conversions

Conversions Part 1

Format	Color
Hex	DBDAD2
RGB	219, 218, 210
RGB Percent	86%, 85%, 82%
CMY	0.1404, 0.1443, 0.1757
CMYK	0.00, 0.00, 0.04, 0.14
HSL	53°, 11%, 84%
HSV	53°, 4%, 86%
XYZ	66.0599, 70.0064, 71.1387
YIQ	217.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

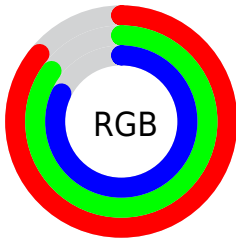
Format	Color
R_{YB}	211, 219, 210
Decimal	14408402
CIE _{Lab}	87.00, -1.07, 4.04
CIE _{LCh}	87, 4.180, 104.803
Y _{xy}	70.0064, 0.3188, 0.3379
Android (android.graphics.Color)	4292598482 (0xFFDBDAD2)
Y_{UV}	217.3870, -3.6418, 1.4146
Hunter-Lab	83.6698, -5.4909, 8.1587

Details

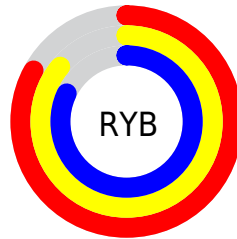
The CIELCh color **87, 4.180, 104.803** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 4.229, 285.749**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 3.866, 104.030** is the 20% darker color. If you saturate the color by 10%, you get **86, 14.403, 103.782**, and if you desaturate by 10%, it is **88, 6.016, 285.907**.

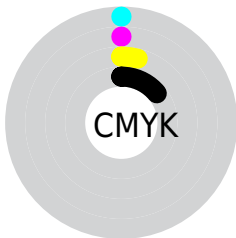
Distribution



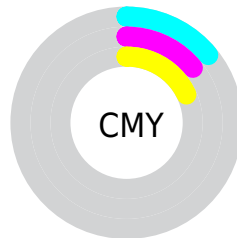
- Red (86%)
- Green (85%)
- Blue (82%)



- Red (83%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.180, 104.803 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, 4.180, 104.803 by changing the saturation by 10% instead.

■ 87, 4.180, 104.803

■ 87, 4.180, 104.803

■ 100, 4.180,
104.803

■ 77, 4.180, 104.803

■ 67, 4.180, 104.803

■ 57, 4.180, 104.803

■ 47, 4.180, 104.803

■ 37, 4.180, 104.803

■ 27, 4.180, 104.803

■ 17, 4.180, 104.803

■ 7, 4.180, 104.803

■ 0, 4.180, 104.803

87, 4.180, 104.803

87, 4.180, 104.803

86, 14.403,
103.782

88, 6.016, 285.907

85, 24.604,
102.700

89, 16.164,
286.891

84, 34.710,
101.604

90, 15.441,
283.572

83, 44.595,
100.510

91, 14.294,
279.508

82, 54.055, 99.434

91, 13.230,
274.781

81, 62.763, 98.392

92, 12.271,
269.294

80, 70.230, 97.401

93, 11.441,
262.968

80, 75.834, 96.471

79, 79.014, 95.594

93, 10.769,
255.779

■ 94, 10.285,
247.801

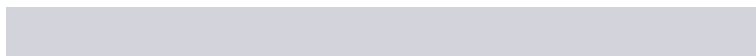
Harmonies

Complementary

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



87, 4.180, 104.803



85, 4.229, 285.749

Rectangle

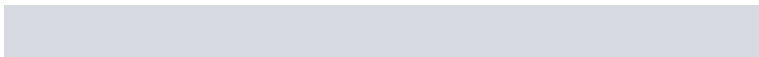
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 4.180, 104.803



87, 4.180, 154.803



87, 4.180, 284.803



87, 4.180, 334.803

Sweetspot

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



87, 4.182, 104.825



100, 1.142, 105.061



85, 3.331, 9.968



53, 0.649, 105.060



0, 0.000, 0.000



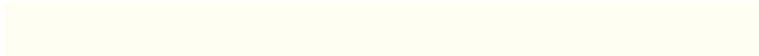
53, 0.007, 296.813

Same Dimension

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



87, 4.182, 104.825



99, 5.760, 104.732



87, 4.868, 124.707



46, 3.473, 104.670



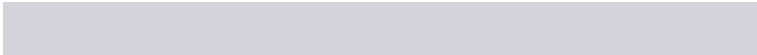
63, 67.206, 95.225



16, 23.753, 97.655

Inverse Universe

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



85, 4.229, 285.749



96, 5.828, 285.848



85, 4.919, 305.083



44, 3.516, 285.915



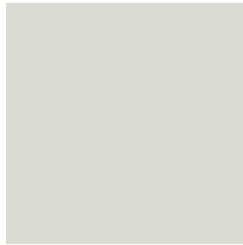
22, 94.593, 304.676



3, 27.336, 292.443

Previews

White Background



This preview shows how the CIELCh color 87, 4.180, 104.803 looks on a white background.

Color Contrast Check

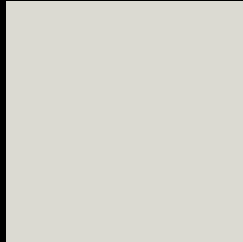
Large Text (above 18pt) WCAG AA × Fail

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, 4.180, 104.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

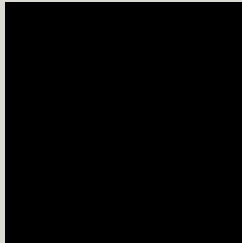
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

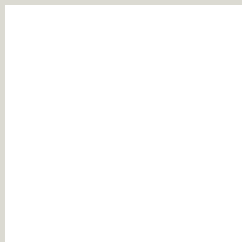
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.180, 104.803

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.180, 104.803.

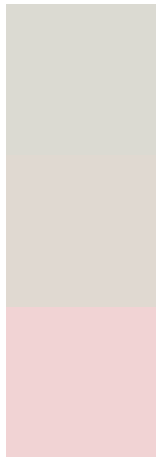


This preview shows how white text looks on a background with the CIELCh color 87, 4.180, 104.803.

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

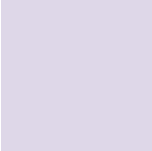
87, 4.180, 104.803

Protanopia

87, 4.880, 78.032

Deuteranopia

87, 11.109, 17.504



Tritanopia
87, 9.280, 306.279

Trichromacy



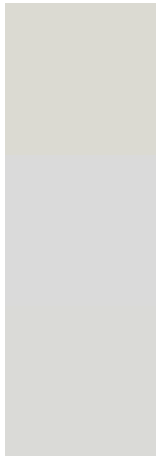
Original Color
87, 4.180, 104.803

Protanomaly
87, 4.540, 86.003

Deuteranomaly
87, 7.169, 32.394

Tritanomaly
87, 4.581, 313.421

Monochromacy



Original Color
87, 4.180, 104.803

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.557, 110.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.180, 104.803 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(219, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 210)  
}
```

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(219, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.180, 104.803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

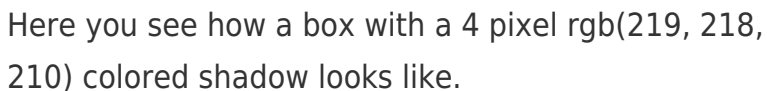
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 218, 210) }
```

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

```
.border{ border-color:rgb(219, 218, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 218, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 218, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 218, 210); box-shadow:4px 4px 4px 4px rgb(219, 218, 210) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.180, 104.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 210) }
```

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

```
.background{ background-color: rgb(219,  
218, 210) }
```

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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