

Converting Colors

CIELCh(86, 2.102, 61.232)

Have a look what the booklet for
CIELCh(86, 2.102, 61.232) contains.

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Color

CIELCh(86, 2.085, 49.337)

Conversions

Conversions Part 1

Format	Color
Hex	DBD6D4
RGB	219, 214, 212
RGB Percent	86%, 84%, 83%
CMY	0.1407, 0.1603, 0.1682
CMYK	0.00, 0.02, 0.03, 0.14
HSL	17°, 9%, 85%
HSV	17°, 3%, 86%
XYZ	65.2206, 67.9871, 72.0471
YIQ	215.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

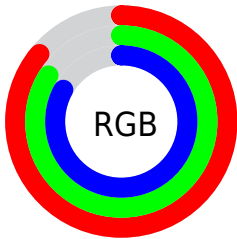
Format	Color
R _Y B	219, 215, 212
Decimal	14407380
CIE Lab	86.00, 1.36, 1.58
CIE LCh	86, 2.085, 49.337
Yxy	67.9871, 0.3178, 0.3312
Android (android.graphics.Color)	4292597460 (0xFFD6D6D4)
YUV	215.2670, -1.6106, 3.2738
Hunter-Lab	82.4543, -3.1031, 5.9115

Details

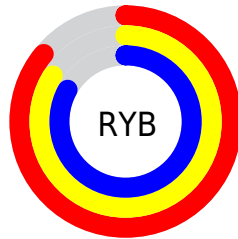
The CIELCh color **86, 2.085, 49.337** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 2.056, 230.325**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 2.209, 49.341** is the 20% darker color. If you saturate the color by 10%, you get **82, 8.953, 49.032**, and if you desaturate by 10%, it is **91, 4.295, 230.415**.

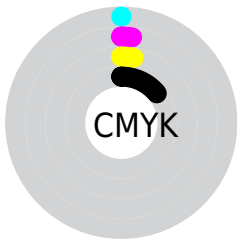
Distribution



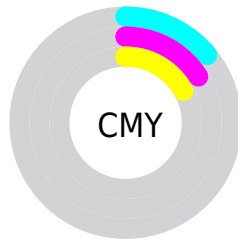
- Red (86%)
- Green (84%)
- Blue (83%)



- Red (86%)
- Yellow (84%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 2.085, 49.337 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 86, 2.085, 49.337 by changing the saturation by 10% instead.

■ 86, 2.085, 49.337

■ 86, 2.085, 49.337

■ 100, 2.085, 49.337

■ 76, 2.085, 49.337

■ 66, 2.085, 49.337

■ 56, 2.085, 49.337

■ 46, 2.085, 49.337

■ 36, 2.085, 49.337

■ 26, 2.085, 49.337

■ 16, 2.085, 49.337

■ 6, 2.085, 49.337

■ 0, 2.085, 49.337

86, 2.085, 49.337

86, 2.085, 49.337

82, 8.953, 49.032

91, 4.295, 230.415

77, 16.364, 48.555

95, 10.020,
228.550

73, 24.367, 48.152

98, 12.089,
198.698

69, 32.991, 47.860

65, 42.234, 47.698

61, 52.019, 47.669

57, 62.128, 47.719

54, 72.032, 47.677

52, 80.606, 47.116

Harmonies

Complementary

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



86, 2.085, 49.337



86, 2.056, 230.325

Rectangle

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



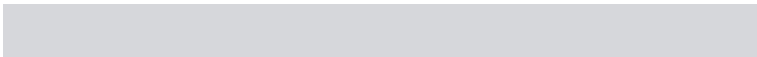
86, 2.085, 49.337



86, 2.085, 99.337



86, 2.085, 229.337



86, 2.085, 279.337

Sweetspot

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



86, 2.085, 49.404



99, 0.729, 48.955



86, 3.675, 333.737



53, 0.414, 48.914



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 2.085, 49.404



98, 2.962, 49.409



87, 2.902, 98.960



45, 1.865, 49.399



40, 71.202, 46.935



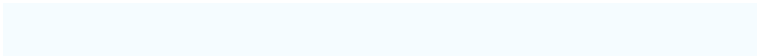
8, 19.860, 37.547

Inverse Universe

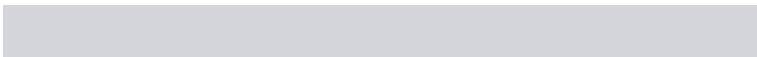
The Inverse Universe completely reimagines the original color for something new.



86, 2.056, 230.325



99, 2.906, 230.327



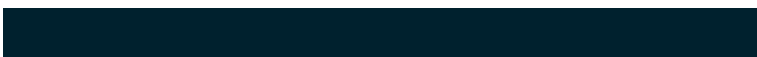
86, 2.929, 279.813



45, 1.822, 230.343



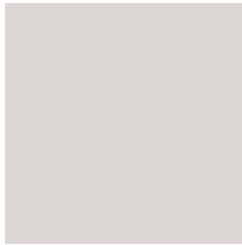
49, 35.843, 253.255



11, 13.563, 243.296

Previews

White Background



This preview shows how the CIELCh color 86, 2.085, 49.337 looks on a white background.

Color Contrast Check

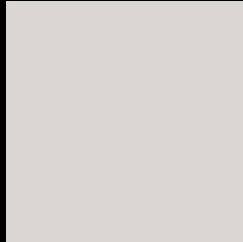
Large Text (above 18pt) WCAG AA × Fail

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 86, 2.085, 49.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

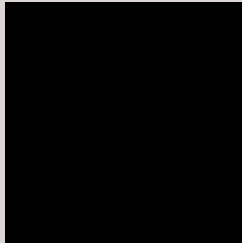
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

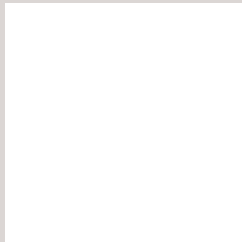
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 2.085, 49.337

Background



This preview shows how black text looks on a background with the CIELCh color 86, 2.085, 49.337.

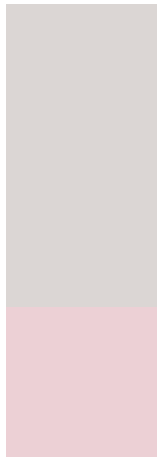


This preview shows how white text looks on a background with the CIELCh color 86, 2.085, 49.337.

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

86, 2.085, 49.337

Protanopia

86, 2.085, 49.337

Deuteranopia

86, 10.633, 5.969



Tritanopia
86, 9.163, 313.584

Trichromacy



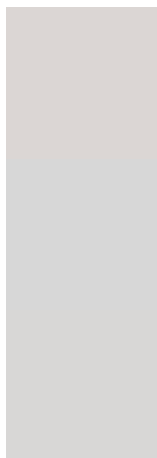
Original Color
86, 2.085, 49.337

Protanomaly
86, 2.085, 49.337

Deuteranomaly
86, 7.502, 7.840

Tritanomaly
86, 5.558, 321.549

Monochromacy



Original Color
86, 2.085, 49.337

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 0.625, 74.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 2.085, 49.337 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, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 212)  
}
```

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, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 2.085, 49.337 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, 214, 212) }
```

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

```
.border{ border-color:rgb(219, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 2.085, 49.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 212) }
```

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

```
.background{ background-color: rgb(219,  
214, 212) }
```

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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