

Converting Colors

CIE LCh(87, 8.139, 291.267)

Have a look what the booklet for
CIELCh(87, 8.139, 291.267) contains.

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Color

CIELCh(87, 7.858, 290.839)

Conversions

Conversions Part 1

Format	Color
Hex	D9D9E8
RGB	217, 217, 232
RGB Percent	85%, 85%, 91%
CMY	0.1501, 0.1501, 0.0913
CMYK	0.06, 0.06, 0.00, 0.09
HSL	240°, 24%, 88%
HSV	240°, 6%, 91%
XYZ	67.8038, 70.0064, 86.0782
YIQ	218.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

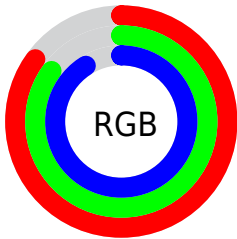
Format	Color
R _Y B	217, 217, 232
Decimal	14277096
CIE Lab	87.00, 2.80, -7.34
CIE LCh	87, 7.858, 290.839
Yxy	70.0064, 0.3028, 0.3127
Android (android.graphics.Color)	4292467176 (0xFFD9D9E8)
YUV	218.7100, 6.5520, -1.4997
Hunter-Lab	83.6698, -1.7705, -2.4278

Details

The CIELCh color `87, 7.858, 290.839` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 7.728, 109.537`, 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, 7.742, 290.983` is the 20% darker color. If you saturate the color by 10%, you get `79, 20.392, 291.983`, and if you desaturate by 10%, it is `95, 4.182, 109.823`.

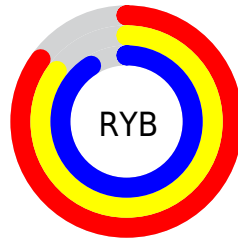
Distribution



Red (85%)

Green (85%)

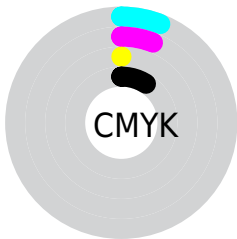
Blue (91%)



Red (85%)

Yellow (85%)

Blue (91%)

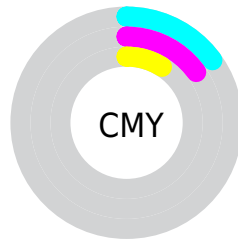


Cyan (6%)

Magenta (6%)

Yellow (0%)

Black (9%)



Cyan (15%)

Magenta (15%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.858, 290.839 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, 7.858, 290.839 by changing the saturation by 10% instead.

■ 87, 7.858, 290.839

■ 87, 7.858, 290.839

■ 100, 7.858,
290.839

■ 77, 7.858, 290.839

■ 67, 7.858, 290.839

■ 57, 7.858, 290.839

■ 47, 7.858, 290.839

■ 37, 7.858, 290.839

■ 27, 7.858, 290.839

■ 17, 7.858, 290.839

■ 7, 7.858, 290.839

■ 0, 7.858, 290.839

87, 7.858, 290.839

87, 7.858, 290.839

79, 20.392,
291.983

95, 4.182, 109.823

72, 33.465,
293.350

99, 11.780,
109.287

64, 47.112,
294.955

57, 61.332,
296.813

49, 76.023,
298.902

43, 90.813,
301.128

37, 104.765,
303.279

32, 116.130,
305.026

■ 30,122.867,
306.046

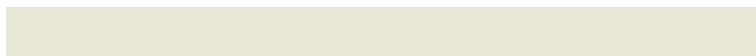
Harmonies

Complementary

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



87, 7.858, 290.839



92, 7.728, 109.537

Rectangle

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



87, 7.858, 290.839



87, 7.858, 340.839



87, 7.858, 110.839



87, 7.858, 160.839

Sweetspot

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



87, 7.856, 290.830



98, 2.608, 290.393



91, 5.255, 197.749



52, 1.483, 290.385



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, 7.856, 290.830



93, 10.525, 290.998



88, 8.290, 308.760



44, 6.879, 291.153



21, 102.380, 306.284



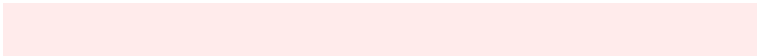
2, 33.672, 296.771

Inverse Universe

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



88, 5.467, 19.674



94, 7.349, 19.803



91, 8.200, 128.211



45, 4.817, 19.916



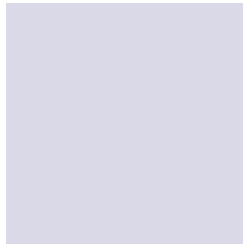
37, 79.973, 39.962



6, 27.104, 21.748

Previews

White Background



This preview shows how the CIELCh color 87, 7.858, 290.839 looks on a white background.

Color Contrast Check

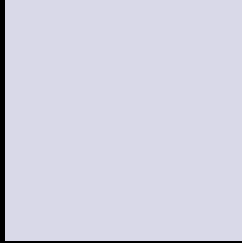
Large Text (above 18pt) WCAG AA × Fail

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, 7.858, 290.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

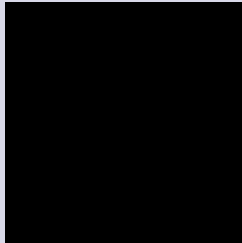
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

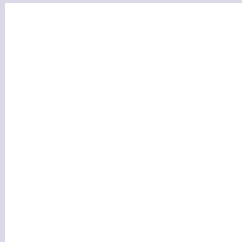
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.858, 290.839

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.858, 290.839.

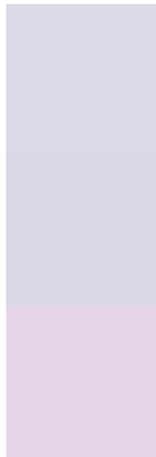


This preview shows how white text looks on a background with the CIELCh color 87, 7.858, 290.839.

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, 7.858, 290.839

Protanopia

87, 8.427, 295.644

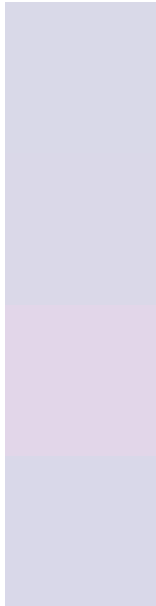
Deuteranopia

87, 13.145, 323.610



Tritanopia
87, 9.447, 293.080

Trichromacy



Original Color
87, 7.858, 290.839

Protanomaly
87, 8.427, 295.644

Deuteranomaly
87, 10.869, 313.851

Tritanomaly
87, 8.924, 293.166

Monochromacy



Original Color
87, 7.858, 290.839

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.624, 290.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.858, 290.839 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(217, 217, 232)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 232)  
}
```

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(217, 217, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.858, 290.839 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(217, 217, 232) }
```

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

```
.border{ border-color:rgb(217, 217, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.858, 290.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 232) }
```

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

```
.background{ background-color: rgb(217,  
217, 232) }
```

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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