

Converting Colors

CIELCh(87, 3.984, 290.435)

Have a look what the booklet for
CIELCh(87, 3.984, 290.435) contains.

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Color

CIELCh(87, 4.195, 290.544)

Conversions

Conversions Part 1

Format	Color
Hex	D9D9E1
RGB	217, 217, 225
RGB Percent	85%, 85%, 88%
CMY	0.1480, 0.1480, 0.1166
CMYK	0.04, 0.04, 0.00, 0.12
HSL	240°, 12%, 87%
HSV	240°, 4%, 88%
XYZ	67.2031, 70.0064, 81.3961
YIQ	217.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

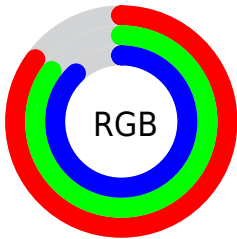
Format	Color
R _Y B	217, 217, 225
Decimal	14277089
CIE Lab	87.00, 1.47, -3.93
CIE LCh	87, 4.195, 290.544
Yxy	70.0064, 0.3074, 0.3202
Android (android.graphics.Color)	4292467169 (0xFFD9D9E1)
YUV	217.9120, 3.4944, -0.7998
Hunter-Lab	83.6698, -3.0521, 0.8901

Details

The CIELCh color $87, 4.195, 290.544$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 4.141, 109.804$, 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 $67, 4.427, 290.649$ is the 20% darker color. If you saturate the color by 10%, you get $80, 16.295, 291.616$, and if you desaturate by 10%, it is $94, 7.436, 109.567$.

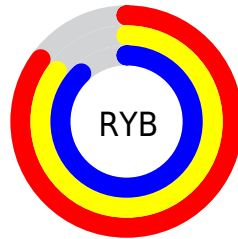
Distribution



Red (85%)

Green (85%)

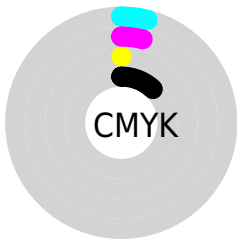
Blue (88%)



Red (85%)

Yellow (85%)

Blue (88%)

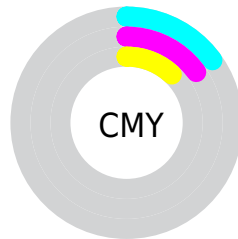


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (12%)



Cyan (15%)

Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.195, 290.544 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, 4.195, 290.544 by changing the saturation by 10% instead.

■ 87, 4.195, 290.544

■ 87, 4.195, 290.544

■ 100, 4.195,
290.544

■ 77, 4.195, 290.544

■ 67, 4.195, 290.544

■ 57, 4.195, 290.544

■ 47, 4.195, 290.544

■ 37, 4.195, 290.544

■ 27, 4.195, 290.544

■ 17, 4.195, 290.544

■ 7, 4.195, 290.544

■ 0, 4.195, 290.544

87, 4.195, 290.544

87, 4.195, 290.544

80, 16.295,
291.616

94, 7.436, 109.567

72, 28.911,
292.915

99, 15.042,
109.041

65, 42.076,
294.444

57, 55.808,
296.224

50, 70.047,
298.247

43, 84.535,
300.445

37, 98.561,
302.646

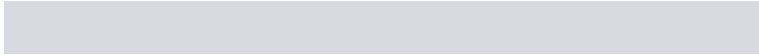
32, 110.664,
304.553

■ 29,118.798,
305.818

Harmonies

Complementary

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



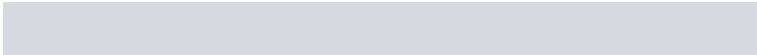
87, 4.195, 290.544



89, 4.141, 109.804

Rectangle

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



87, 4.195, 290.544



87, 4.195, 340.544



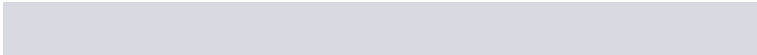
87, 4.195, 110.544



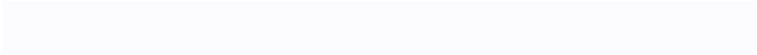
87, 4.195, 160.544

Sweetspot

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



87, 4.193, 290.527



99, 1.307, 290.317



89, 2.836, 198.017



53, 0.743, 290.315



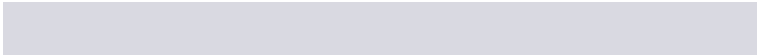
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 4.193, 290.527



97, 5.225, 290.573



87, 4.431, 308.614



45, 3.347, 290.642



21, 101.285, 306.282



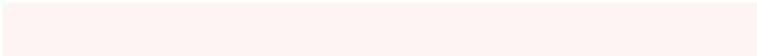
2, 31.625, 295.821

Inverse Universe

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



87, 2.899, 19.377



97, 3.617, 19.431



89, 4.390, 128.356



46, 2.320, 19.502



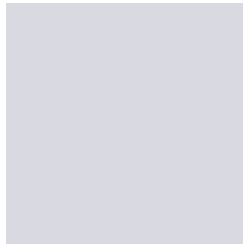
36, 79.094, 39.935



6, 25.540, 20.921

Previews

White Background



This preview shows how the CIELCh color 87, 4.195, 290.544 looks on a white background.

Color Contrast Check

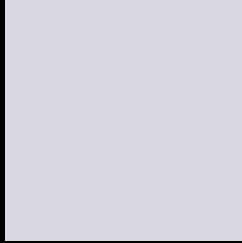
Large Text (above 18pt) WCAG AA × Fail

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, 4.195, 290.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

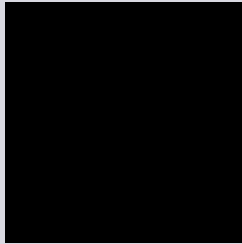
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

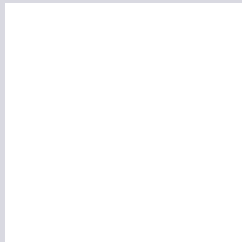
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.195, 290.544

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.195, 290.544.

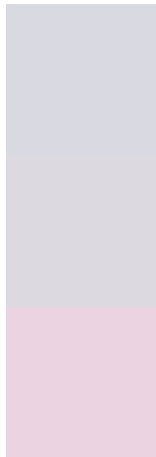


This preview shows how white text looks on a background with the CIELCh color 87, 4.195, 290.544.

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

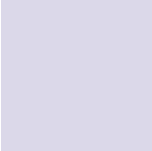
87, 4.195, 290.544

Protanopia

87, 4.342, 304.750

Deuteranopia

87, 11.706, 338.210



Tritanopia
87, 8.988, 297.622

Trichromacy



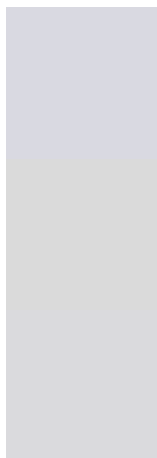
Original Color
87, 4.195, 290.544

Protanomaly
87, 4.265, 300.124

Deuteranomaly
87, 8.942, 330.487

Tritanomaly
87, 7.384, 296.255

Monochromacy



Original Color
87, 4.195, 290.544

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.578, 290.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.195, 290.544 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.195, 290.544 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, 225) }
```

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

```
.border{ border-color:rgb(217, 217, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 225);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.195, 290.544 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, 225) }
```

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

```
.background{ background-color: rgb(217,  
217, 225) }
```

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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