

Converting Colors

CIE LCh(87, 3.201, 325.241)

Have a look what the booklet for
CIELCh(87, 3.201, 325.241) contains.

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Color

CIELCh(87, 3.416, 329.459)

Conversions

Conversions Part 1

Format	Color
Hex	DED8DD
RGB	222, 216, 221
RGB Percent	87%, 85%, 87%
CMY	0.1286, 0.1521, 0.1325
CMYK	0.00, 0.03, 0.00, 0.13
HSL	310°, 8%, 86%
HSV	310°, 3%, 87%
XYZ	67.8706, 70.0064, 78.4822
YIQ	218.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

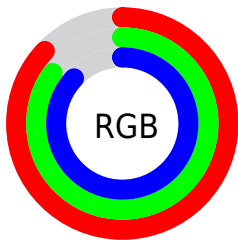
Format	Color
R _Y B	222, 216, 221
Decimal	14604509
CIE Lab	87.00, 2.94, -1.74
CIE LCh	87, 3.416, 329.459
Yxy	70.0064, 0.3137, 0.3236
Android (android.graphics.Color)	4292794589 (0xFFDED8DD)
YUV	218.3640, 1.2995, 3.1888
Hunter-Lab	83.6698, -1.6280, 2.9549

Details

The CIELCh color **87, 3.416, 329.459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 3.395, 149.326**, 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, 3.602, 329.531** is the 20% darker color. If you saturate the color by 10%, you get **81, 16.151, 330.148**, and if you desaturate by 10%, it is **93, 9.103, 149.005**.

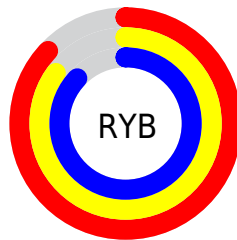
Distribution



Red (87%)

Green (85%)

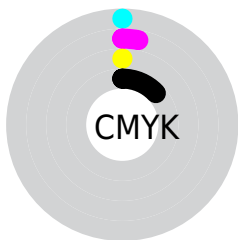
Blue (87%)



Red (87%)

Yellow (85%)

Blue (87%)

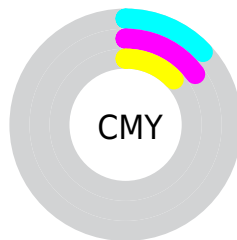


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (15%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 3.416, 329.459 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, 3.416, 329.459 by changing the saturation by 10% instead.

■ 87, 3.416, 329.459

■ 87, 3.416, 329.459

■ 100, 3.416,
329.459

■ 77, 3.416, 329.459

■ 67, 3.416, 329.459

■ 57, 3.416, 329.459

■ 47, 3.416, 329.459

■ 37, 3.416, 329.459

■ 27, 3.416, 329.459

■ 17, 3.416, 329.459

■ 7, 3.416, 329.459

■ 0, 3.416, 329.459

87, 3.416, 329.459

87, 3.416, 329.459

81, 16.151,
330.148

93, 9.103, 149.005

76, 28.966,
330.786

97, 17.869,
149.525

71, 41.633,
331.434

97, 16.442,
153.712

66, 53.825,
332.093

97, 15.111,
158.641

62, 65.102,
332.760

97, 13.904,
164.449

58, 74.931,
333.439

97, 12.856,
171.260

55, 82.744,
334.139

98, 12.011,
179.132

53, 88.073,
334.877

98, 11.413,
187.993

■ 51, 90.718,
335.680

■ 98, 11.103,
197.576

Harmonies

Complementary

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



87, 3.416, 329.459



88, 3.395, 149.326

Rectangle

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



87, 3.416, 329.459



87, 3.416, 19.459



87, 3.416, 149.459



87, 3.416, 199.459

Sweetspot

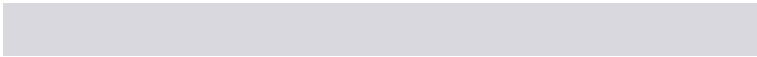
The Sweet Spot groups the original color and five complimentary colors.



87, 3.414, 329.462



99, 1.418, 329.202



87, 3.175, 296.901



53, 0.806, 329.186



0, 0.000, 0.000



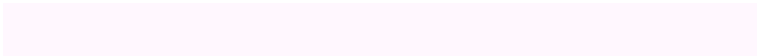
53, 0.007, 296.813

Same Dimension

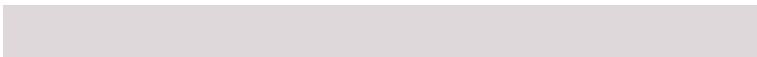
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 3.414, 329.462



98, 4.242, 329.492



87, 2.418, 353.729



46, 2.896, 329.554



40, 76.851, 336.166



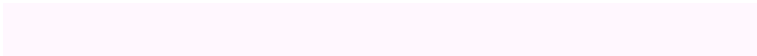
7, 32.094, 334.659

Inverse Universe

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



87, 3.414, 329.462



98, 4.242, 329.492



88, 2.391, 173.659



46, 2.896, 329.554



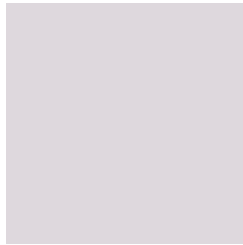
40, 76.851, 336.166



7, 32.094, 334.659

Previews

White Background



This preview shows how the CIELCh color 87, 3.416, 329.459 looks on a white background.

Color Contrast Check

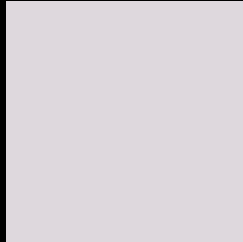
Large Text (above 18pt) WCAG AA × Fail

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, 3.416, 329.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

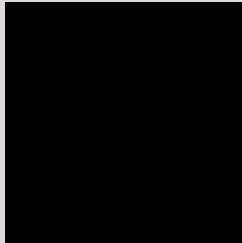
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

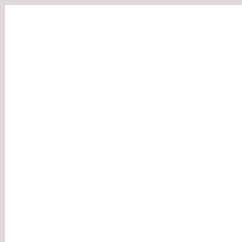
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 3.416, 329.459

Background



This preview shows how black text looks on a background with the CIELCh color 87, 3.416, 329.459.

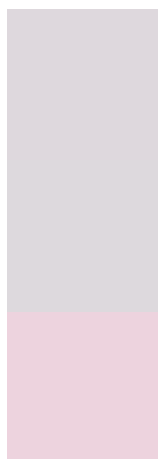


This preview shows how white text looks on a background with the CIELCh color 87, 3.416, 329.459.

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

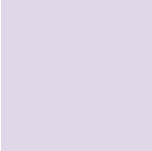
87, 3.416, 329.459

Protanopia

87, 2.559, 324.433

Deuteranopia

87, 11.066, 348.967



Tritanopia
87, 9.497, 310.392

Trichromacy



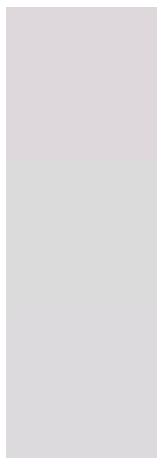
Original Color
87, 3.416, 329.459

Protanomaly
87, 2.559, 324.433

Deuteranomaly
87, 8.354, 345.738

Tritanomaly
87, 7.417, 313.207

Monochromacy



Original Color
87, 3.416, 329.459

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.284, 324.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 3.416, 329.459 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(222, 216, 221)` looks like.

```
.text, #text, p{  
    color:rgb(222, 216, 221)  
}
```

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(222, 216, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 216, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 3.416, 329.459 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(222, 216, 221) }
```

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

```
.border{ border-color:rgb(222, 216, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 216, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 216, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 216, 221);  
box-shadow:4px 4px 4px 4px rgb(222, 216,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 3.416, 329.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 216, 221) }
```

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

```
.background{ background-color: rgb(222,  
216, 221) }
```

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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