

Converting Colors

CIELCh(87, 4.011, 316.246)

Have a look what the booklet for
CIELCh(87, 4.011, 316.246) contains.

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Color

CIELCh(87, 4.105, 316.266)

Conversions

Conversions Part 1

Format	Color
Hex	DDD8DF
RGB	221, 216, 223
RGB Percent	87%, 85%, 87%
CMY	0.1323, 0.1519, 0.1244
CMYK	0.01, 0.03, 0.00, 0.12
HSL	283°, 10%, 86%
HSV	283°, 3%, 88%
XYZ	67.8815, 70.0064, 79.9380
YIQ	218.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

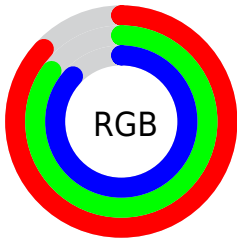
Format	Color
R_{YB}	221, 216, 223
Decimal	14538975
CIE _{Lab}	87.00, 2.97, -2.84
CIE _{LCh}	87, 4.105, 316.266
Yxy	70.0064, 0.3116, 0.3214
Android (android.graphics.Color)	4292729055 (0xFFDDD8DF)
YUV	218.2930, 2.3206, 2.3740
Hunter-Lab	83.6698, -1.6047, 1.9233

Details

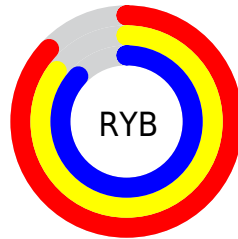
The CIELCh color $87, 4.105, 316.266$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $88, 4.075, 136.098$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 4.330, 316.317$ is the 20% darker color. If you saturate the color by 10%, you get $81, 17.355, 316.724$, and if you desaturate by 10%, it is $93, 8.842, 135.929$.

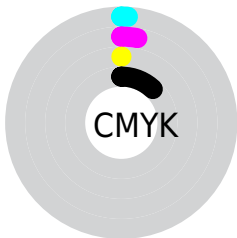
Distribution



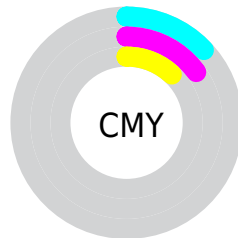
- Red (87%)
- Green (85%)
- Blue (87%)



- Red (87%)
- Yellow (85%)
- Blue (87%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (13%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.105, 316.266 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, 4.105, 316.266 by changing the saturation by 10% instead.

■ 87, 4.105, 316.266

■ 87, 4.105, 316.266

■ 100, 4.105,
316.266

■ 77, 4.105, 316.266

■ 67, 4.105, 316.266

■ 57, 4.105, 316.266

■ 47, 4.105, 316.266

■ 37, 4.105, 316.266

■ 27, 4.105, 316.266

■ 17, 4.105, 316.266

■ 7, 4.105, 316.266

■ 0, 4.105, 316.266

87, 4.105, 316.266

87, 4.105, 316.266

81, 17.355,
316.724

93, 8.842, 135.929

75, 30.834,
317.167

98, 17.854,
133.948

69, 44.398,
317.603

98, 16.971,
127.070

64, 57.817,
318.012

99, 16.362,
119.462

58, 70.738,
318.361

99, 16.070,
111.331

53, 82.662,
318.606

99, 16.050,
108.964

49, 92.947,
318.691

46, 100.901,
318.551

■ 44, 105.996,
318.129

Harmonies

Complementary

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



87, 4.105, 316.266



88, 4.075, 136.098

Rectangle

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



87, 4.105, 316.266



87, 4.105, 6.266



87, 4.105, 136.266



87, 4.105, 186.266

Sweetspot

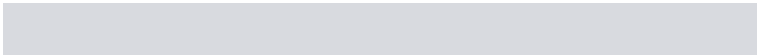
The Sweet Spot groups the original color and five complimentary colors.



87, 4.103, 316.261



99, 1.462, 316.070



87, 2.665, 274.170



53, 0.831, 316.061



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, 4.103, 316.261



97, 5.835, 316.309



87, 3.886, 330.636



46, 3.736, 316.344



33, 90.405, 317.847



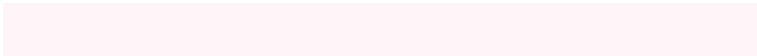
5, 34.936, 318.308

Inverse Universe

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



87, 2.749, 357.046



97, 3.913, 357.172



88, 3.867, 150.420



46, 2.508, 357.260



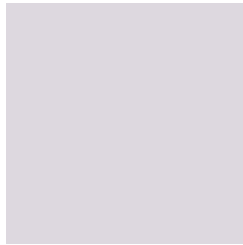
37, 66.765, 22.153



6, 25.336, 8.445

Previews

White Background



This preview shows how the CIELCh color 87, 4.105, 316.266 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, 4.105, 316.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

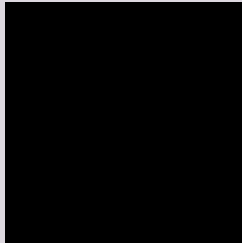
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

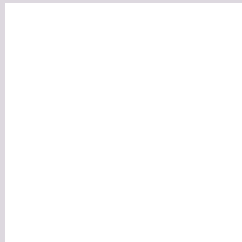
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.105, 316.266

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.105, 316.266.

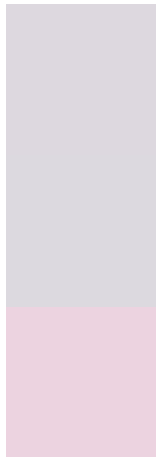


This preview shows how white text looks on a background with the CIELCh color 87, 4.105, 316.266.

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

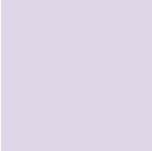
87, 4.105, 316.266

Protanopia

87, 3.339, 309.147

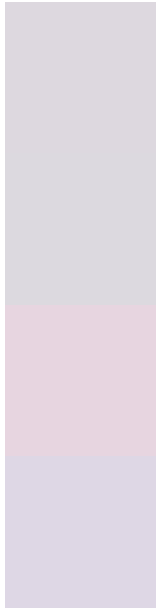
Deuteranopia

87, 11.333, 343.428



Tritanopia
87, 9.382, 308.358

Trichromacy



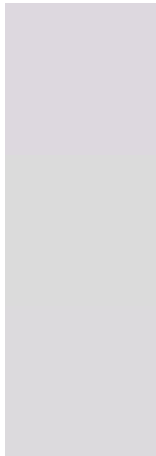
Original Color
87, 4.105, 316.266

Protanomaly
87, 3.339, 309.147

Deuteranomaly
87, 8.702, 338.652

Tritanomaly
87, 7.779, 309.322

Monochromacy



Original Color
87, 4.105, 316.266

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.742, 314.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.105, 316.266 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(221, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(221, 216, 223)  
}
```

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(221, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 216, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.105, 316.266 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(221, 216, 223) }
```

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

```
.border{ border-color:rgb(221, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 216,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.105, 316.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 216, 223) }
```

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

```
.background{ background-color: rgb(221,  
216, 223) }
```

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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