

Converting Colors

CIELCh(87, 5.361, 312.607)

Have a look what the booklet for
CIELCh(87, 5.361, 312.607) contains.

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Color

CIELCh(87, 5.206, 314.798)

Conversions

Conversions Part 1

Format	Color
Hex	DED8E1
RGB	222, 216, 225
RGB Percent	87%, 85%, 88%
CMY	0.1298, 0.1533, 0.1180
CMYK	0.01, 0.04, 0.00, 0.12
HSL	280°, 13%, 86%
HSV	280°, 4%, 88%
XYZ	68.2019, 70.0064, 81.0816
YIQ	218.8200, 0.6870, 4.0710

Conversions

Conversions Part 2

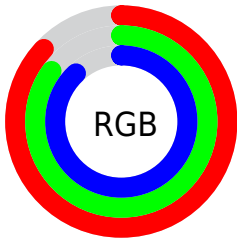
Format	Color
RYP	222, 216, 225
Decimal	14604513
CIELab	87.00, 3.67, -3.69
CIElCh	87, 5.206, 314.798
Yxy	70.0064, 0.3110, 0.3192
Android (android.graphics.Color)	4292794593 (0xFFDED8E1)
YUV	218.8200, 3.0467, 2.7889
Hunter-Lab	83.6698, -0.9211, 1.1129

Details

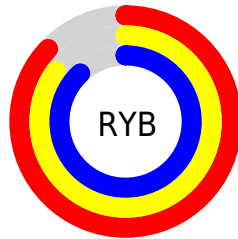
The CIELCh color $87, 5.206, 314.798$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 5.168, 134.536$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 5.491, 314.856$ is the 20% darker color. If you saturate the color by 10%, you get $81, 18.406, 315.244$, and if you desaturate by 10%, it is $93, 7.678, 134.454$.

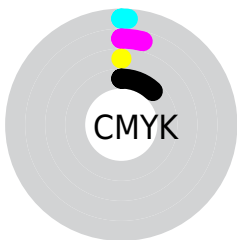
Distribution



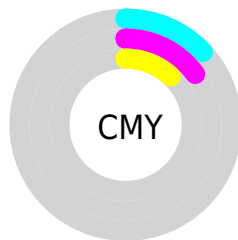
- Red (87%)
- Green (85%)
- Blue (88%)



- Red (87%)
- Yellow (85%)
- Blue (88%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.206, 314.798 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, 5.206, 314.798 by changing the saturation by 10% instead.

■ 87, 5.206, 314.798

■ 87, 5.206, 314.798

■ 100, 5.206,
314.798

■ 77, 5.206, 314.798

■ 67, 5.206, 314.798

■ 57, 5.206, 314.798

■ 47, 5.206, 314.798

■ 37, 5.206, 314.798

■ 27, 5.206, 314.798

■ 17, 5.206, 314.798

■ 7, 5.206, 314.798

■ 0, 5.206, 314.798

87, 5.206, 314.798

87, 5.206, 314.798

81, 18.406,
315.244

93, 7.678, 134.454

75, 31.857,
315.689

98, 16.661,
132.029

69, 45.425,
316.133

99, 15.755,
123.122

63, 58.891,
316.552

99, 15.281,
113.261

58, 71.911,
316.913

99, 15.227,
109.027

53, 83.981,
317.166

48, 94.439,
317.247

45, 102.547,
317.083

■ 42,107.724,
316.606

Harmonies

Complementary

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



87, 5.206, 314.798



89, 5.168, 134.536

Rectangle

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



87, 5.206, 314.798



87, 5.206, 4.798



87, 5.206, 134.798



87, 5.206, 184.798

Sweetspot

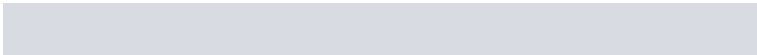
The Sweet Spot groups the original color and five complimentary colors.



87, 5.204, 314.794



99, 1.443, 314.565



87, 3.243, 270.360



53, 0.821, 314.556



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, 5.204, 314.794



97, 7.209, 314.844



87, 5.171, 329.018



45, 4.431, 314.873



32, 91.212, 316.364



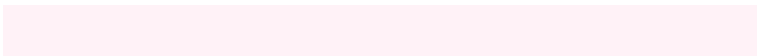
5, 34.634, 316.562

Inverse Universe

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



87, 3.626, 353.909



97, 5.027, 354.036



89, 5.151, 148.663



45, 3.092, 354.108



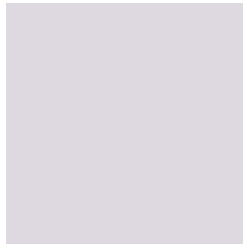
37, 65.368, 17.812



6, 25.434, 5.832

Previews

White Background



This preview shows how the CIELCh color 87, 5.206, 314.798 looks on a white background.

Color Contrast Check

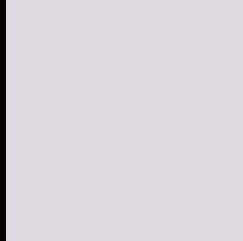
Large Text (above 18pt) WCAG AA × Fail

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, 5.206, 314.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

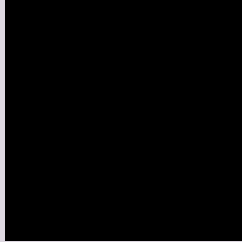
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

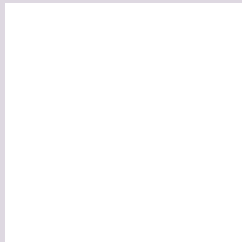
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.206, 314.798

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.206, 314.798.

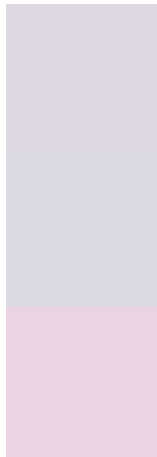


This preview shows how white text looks on a background with the CIELCh color 87, 5.206, 314.798.

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

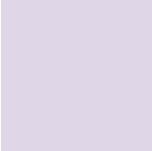
87, 5.206, 314.798

Protanopia

87, 4.265, 300.124

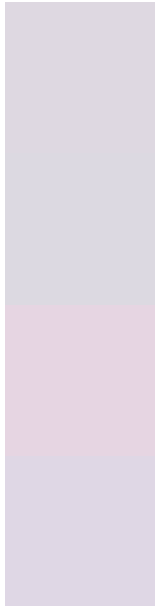
Deuteranopia

87, 11.706, 338.210



Tritanopia
87, 9.382, 308.358

Trichromacy



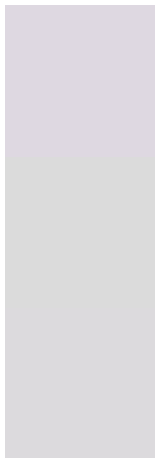
Original Color
87, 5.206, 314.798

Protanomaly
87, 4.342, 304.750

Deuteranomaly
87, 9.177, 332.229

Tritanomaly
87, 7.902, 311.761

Monochromacy



Original Color
87, 5.206, 314.798

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, 5.206, 314.798 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(222, 216, 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(222, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 216, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.206, 314.798 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, 225) }
```

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

```
.border{ border-color:rgb(222, 216, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(222, 216,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.206, 314.798 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, 225) }
```

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

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