

Converting Colors

CIELCh(87, 4.264, 122.649)

Have a look what the booklet for
CIELCh(87, 4.264, 122.649) contains.

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Color

CIELCh(87, 4.319, 124.424)

Conversions

Conversions Part 1

Format	Color
Hex	D8DBD3
RGB	216, 219, 211
RGB Percent	85%, 86%, 83%
CMY	0.1527, 0.1409, 0.1723
CMYK	0.01, 0.00, 0.04, 0.14
HSL	83°, 10%, 84%
HSV	83°, 4%, 86%
XYZ	65.4472, 70.0064, 71.7289
YIQ	217.1910, 0.7800, -3.1240

Conversions

Conversions Part 2

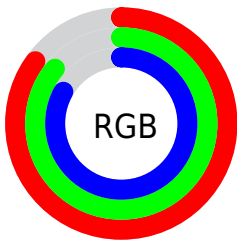
Format	Color
RYB	211, 219, 214
Decimal	14212051
CIELab	87.00, -2.44, 3.56
CIELCh	87, 4.319, 124.424
Yxy	70.0064, 0.3159, 0.3379
Android (android.graphics.Color)	4292402131 (0xFFD8DBD3)
YUV	217.1910, -3.0522, -1.0445
Hunter-Lab	83.6698, -6.7981, 7.7404

Details

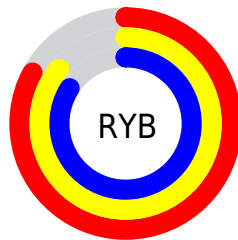
The CIELCh color $87, 4.319, 124.424$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85, 4.366, 304.767$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 4.031, 126.360$ is the 20% darker color. If you saturate the color by 10%, you get $86, 16.181, 123.905$, and if you desaturate by 10%, it is $88, 7.521, 304.897$.

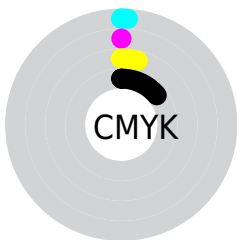
Distribution



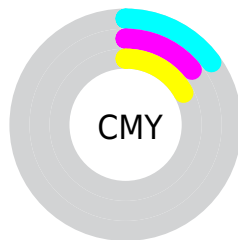
- Red (85%)
- Green (86%)
- Blue (83%)



- Red (83%)
- Yellow (86%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)



- Cyan (15%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.319, 124.424 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, 4.319, 124.424 by changing the saturation by 10% instead.

■ 87, 4.319, 124.424

■ 87, 4.319, 124.424

■ 100, 4.319,
124.424

■ 77, 4.319, 124.424

■ 67, 4.319, 124.424

■ 57, 4.319, 124.424

■ 47, 4.319, 124.424

■ 37, 4.319, 124.424

■ 27, 4.319, 124.424

■ 17, 4.319, 124.424

■ 7, 4.319, 124.424

■ 0, 4.319, 124.424

87, 4.319, 124.424

87, 4.319, 124.424

86, 16.181,
123.905

88, 7.521, 304.897

85, 27.985,
123.371

89, 19.294,
305.362

84, 39.630,
122.840

90, 20.218,
313.172

83, 50.963,
122.341

91, 21.420,
320.381

82, 61.757,
121.920

91, 22.501,
325.208

82, 71.683,
121.647

81, 80.289,
121.622

80, 87.050,
121.966

■ 80, 91.558,
122.783

Harmonies

Complementary

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



87, 4.319, 124.424



85, 4.366, 304.767

Rectangle

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



87, 4.319, 124.424



87, 4.319, 174.424



87, 4.319, 304.424



87, 4.319, 354.424

Sweetspot

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



87, 4.321, 124.436



100, 1.329, 124.618



86, 2.385, 59.282



53, 0.755, 124.624



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, 4.321, 124.436



99, 5.353, 124.415



87, 4.897, 140.642



46, 3.362, 124.378



64, 78.360, 123.239



17, 28.192, 123.517

Inverse Universe

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



85, 4.366, 304.767



97, 5.410, 304.788



85, 4.920, 320.888



44, 3.400, 304.826



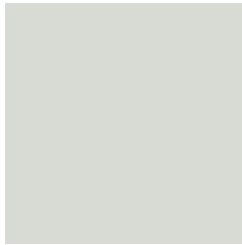
24, 95.856, 309.489



3, 30.483, 304.774

Previews

White Background



This preview shows how the CIELCh color 87, 4.319, 124.424 looks on a white background.

Color Contrast Check

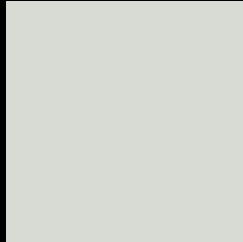
Large Text (above 18pt) WCAG AA × Fail

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, 4.319, 124.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

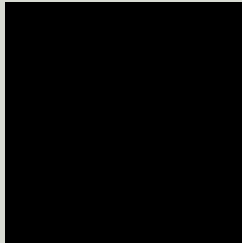
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

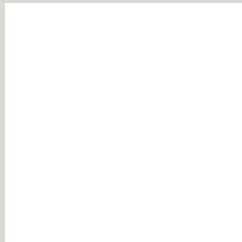
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.319, 124.424

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.319, 124.424.

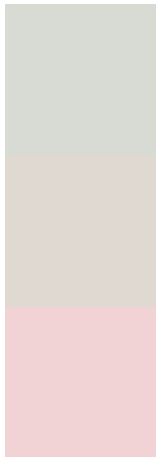


This preview shows how white text looks on a background with the CIELCh color 87, 4.319, 124.424.

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

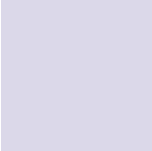
87, 4.319, 124.424

Protanopia

87, 4.242, 78.655

Deuteranopia

87, 11.127, 14.832



Tritanopia
87, 8.988, 297.622

Trichromacy



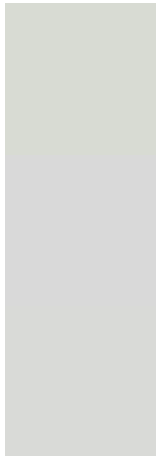
Original Color
87, 4.319, 124.424

Protanomaly
87, 4.224, 99.853

Deuteranomaly
87, 6.693, 28.738

Tritanomaly
87, 4.215, 295.368

Monochromacy



Original Color
87, 4.319, 124.424

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.603, 123.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.319, 124.424 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(216, 219, 211)` looks like.

```
.text, #text, p{  
    color:rgb(216, 219, 211)  
}
```

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(216, 219, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 219, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.319, 124.424 is called "border". The border property can be set on classes, ids or directly on the HTML element.

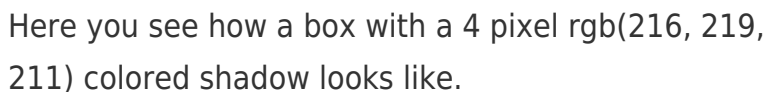
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 219, 211) }
```

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

```
.border{ border-color:rgb(216, 219, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 219, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 219, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 219, 211);  
box-shadow:4px 4px 4px 4px rgb(216, 219,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.319, 124.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 219, 211) }
```

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

```
.background{ background-color: rgb(216,  
219, 211) }
```

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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