

Converting Colors

CIELCh(87, 1.429, 199.643)

Have a look what the booklet for
CIELCh(87, 1.429, 199.643) contains.

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Color

CIELCh(87, 1.429, 199.717)

Conversions

Conversions Part 1

Format	Color
Hex	D7DBDB
RGB	215, 219, 219
RGB Percent	84%, 86%, 86%
CMY	0.1580, 0.1423, 0.1424
CMYK	0.02, 0.00, 0.00, 0.14
HSL	180°, 5%, 85%
HSV	180°, 2%, 86%
XYZ	65.9360, 70.0064, 76.8476
YIQ	217.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

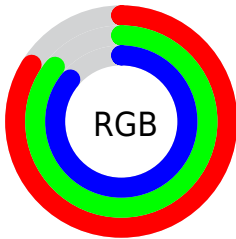
Format	Color
R _Y B	215, 217, 219
Decimal	14146523
CIE Lab	87.00, -1.35, -0.48
CIE LCh	87, 1.429, 199.717
Yxy	70.0064, 0.3099, 0.3290
Android (android.graphics.Color)	4292336603 (0xFFD7DBDB)
YUV	217.8040, 0.5896, -2.4591
Hunter-Lab	83.6698, -5.7553, 4.1133

Details

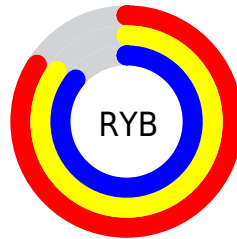
The CIELCh color `87, 1.429, 199.717` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86, 1.449, 19.035`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 1.507, 199.588` is the 20% darker color. If you saturate the color by 10%, you get `85, 9.032, 198.753`, and if you desaturate by 10%, it is `89, 6.516, 19.711`.

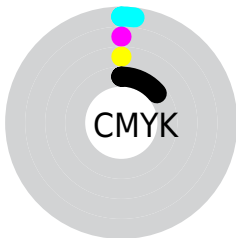
Distribution



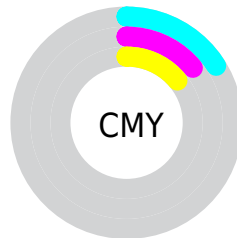
- Red (84%)
- Green (86%)
- Blue (86%)



- Red (84%)
- Yellow (85%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (16%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 1.429, 199.717 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, 1.429, 199.717 by changing the saturation by 10% instead.

■ 87, 1.429, 199.717

■ 87, 1.429, 199.717

■ 100, 1.429,
199.717

■ 77, 1.429, 199.717

■ 67, 1.429, 199.717

■ 57, 1.429, 199.717

■ 47, 1.429, 199.717

■ 37, 1.429, 199.717

■ 27, 1.429, 199.717

■ 17, 1.429, 199.717

■ 7, 1.429, 199.717

■ 0, 1.429, 199.717

87, 1.429, 199.717

87, 1.429, 199.717

85, 9.032, 198.753

89, 6.516, 19.711

84, 16.173,
198.223

90, 13.403, 20.253

83, 22.727,
197.759

90, 13.403, 20.209

90, 13.402, 20.166

82, 28.568,
197.356

90, 13.402, 20.123

81, 33.579,
197.014

90, 13.401, 20.080

90, 13.401, 20.037

80, 37.669,
196.738

90, 13.400, 19.994

80, 40.785,
196.527

90, 13.400, 19.951

80, 42.927,
196.379

■ 79, 44.159,
196.289

Harmonies

Complementary

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



87, 1.429, 199.717



86, 1.449, 19.035

Rectangle

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



87, 1.429, 199.717



87, 1.429, 249.717



87, 1.429, 19.717



87, 1.429, 69.717

Sweetspot

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



87, 1.430, 199.641



100, 0.886, 200.022



87, 2.534, 144.007



53, 0.504, 200.063



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

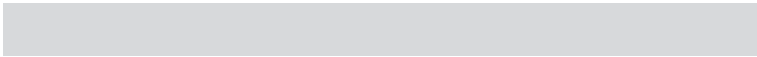
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 1.430, 199.641



100, 1.770, 199.592



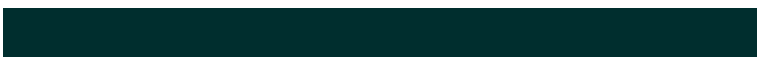
87, 1.252, 254.135



46, 0.889, 199.625



64, 37.555, 196.249



16, 15.082, 196.273

Inverse Universe

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



86, 1.449, 19.035



99, 1.795, 19.084



87, 1.243, 73.049



46, 0.901, 19.051



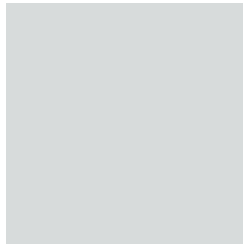
36, 78.196, 39.892



5, 23.839, 20.230

Previews

White Background



This preview shows how the CIELCh color 87, 1.429, 199.717 looks on a white background.

Color Contrast Check

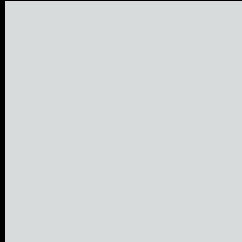
Large Text (above 18pt) WCAG AA × Fail

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, 1.429, 199.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

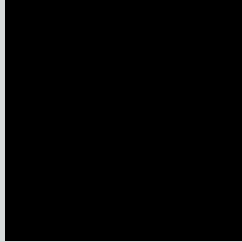
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

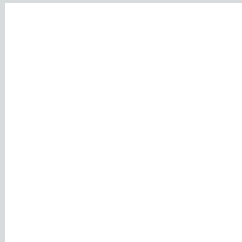
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 1.429, 199.717

Background



This preview shows how black text looks on a background with the CIELCh color 87, 1.429, 199.717.

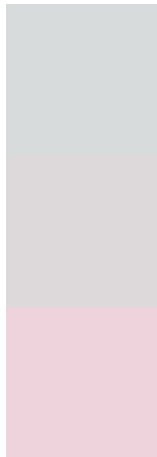


This preview shows how white text looks on a background with the CIELCh color 87, 1.429, 199.717.

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, 1.429, 199.717

Protanopia

87, 1.544, 359.339

Deuteranopia

87, 10.913, 354.733



Tritanopia
87, 9.447, 293.080

Trichromacy



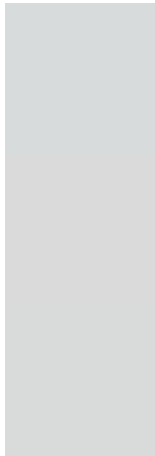
Original Color
87, 1.429, 199.717

Protanomaly
87, 0.361, 17.801

Deuteranomaly
87, 6.611, 351.538

Tritanomaly
87, 5.770, 287.175

Monochromacy



Original Color
87, 1.429, 199.717

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 0.358, 201.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 1.429, 199.717 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(215, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(215, 219, 219)  
}
```

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(215, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 219, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 1.429, 199.717 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(215, 219, 219) }
```

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

```
.border{ border-color:rgb(215, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(215, 219,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 1.429, 199.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 219, 219) }
```

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

```
.background{ background-color: rgb(215,  
219, 219) }
```

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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