

Converting Colors

CIELCh(87, 7.926, 284.997)

Have a look what the booklet for
CIELCh(87, 7.926, 284.997) contains.

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Color

CIELCh(87, 7.878, 285.762)

Conversions

Conversions Part 1

Format	Color
Hex	D7D9E8
RGB	215, 217, 232
RGB Percent	84%, 85%, 91%
CMY	0.1563, 0.1484, 0.0896
CMYK	0.07, 0.06, 0.00, 0.09
HSL	233°, 27%, 88%
HSV	233°, 7%, 91%
XYZ	67.5058, 70.0064, 86.4107
YIQ	218.1120, -6.0070, 4.2410

Conversions

Conversions Part 2

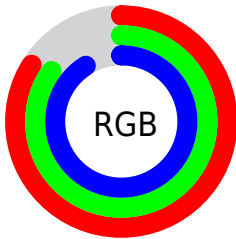
Format	Color
R _Y B	215, 217, 232
Decimal	14146024
CIE Lab	87.00, 2.14, -7.58
CIE LCh	87, 7.878, 285.762
Yxy	70.0064, 0.3015, 0.3126
Android (android.graphics.Color)	4292336104 (0xFFD7D9E8)
YUV	218.1120, 6.8468, -2.7292
Hunter-Lab	83.6698, -2.4063, -2.6634

Details

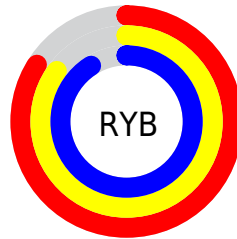
The CIELCh color `87, 7.878, 285.762` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 7.768, 104.134`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 7.765, 285.582` is the 20% darker color. If you saturate the color by 10%, you get `80, 18.945, 287.016`, and if you desaturate by 10%, it is `94, 2.815, 104.605`.

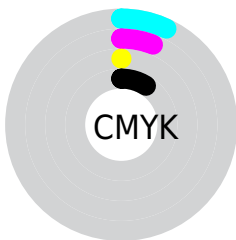
Distribution



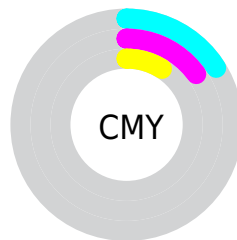
- Red (84%)
- Green (85%)
- Blue (91%)



- Red (84%)
- Yellow (85%)
- Blue (91%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.878, 285.762 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, 7.878, 285.762 by changing the saturation by 10% instead.

■ 87, 7.878, 285.762

■ 87, 7.878, 285.762

■ 100, 7.878,
285.762

■ 77, 7.878, 285.762

■ 67, 7.878, 285.762

■ 57, 7.878, 285.762

■ 47, 7.878, 285.762

■ 37, 7.878, 285.762

■ 27, 7.878, 285.762

■ 17, 7.878, 285.762

■ 7, 7.878, 285.762

■ 0, 7.878, 285.762

87, 7.878, 285.762

87, 7.878, 285.762

80, 18.945,
287.016

94, 2.815, 104.605

73, 30.424,
288.507

99, 11.564,
109.303

66, 42.349,
290.256

59, 54.750,
292.290

53, 67.623,
294.611

46, 80.856,
297.173

40, 94.069,
299.841

35, 106.384,
302.374

■ 32,116.346,
304.450

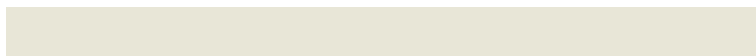
Harmonies

Complementary

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



87, 7.878, 285.762



91, 7.768, 104.134

Rectangle

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



87, 7.878, 285.762



87, 7.878, 335.762



87, 7.878, 105.762



87, 7.878, 155.762

Sweetspot

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



87, 7.876, 285.753



99, 2.308, 285.198



91, 6.096, 187.955



53, 1.313, 285.190



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, 7.876, 285.753



93, 10.473, 285.954



87, 9.209, 304.659



45, 6.183, 286.005



23, 97.368, 304.588



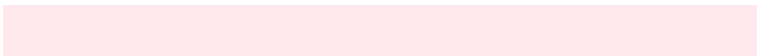
4, 32.819, 295.466

Inverse Universe

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



87, 6.290, 10.236



94, 8.387, 10.412



91, 9.080, 123.915



46, 4.954, 10.456



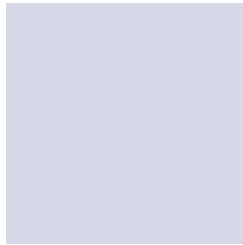
38, 75.786, 34.816



7, 28.099, 17.888

Previews

White Background



This preview shows how the CIELCh color 87, 7.878, 285.762 looks on a white background.

Color Contrast Check

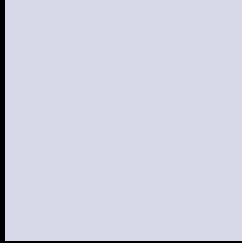
Large Text (above 18pt) WCAG AA × Fail

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, 7.878, 285.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

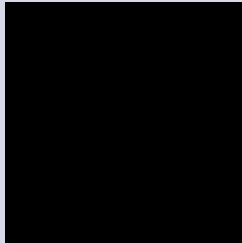
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

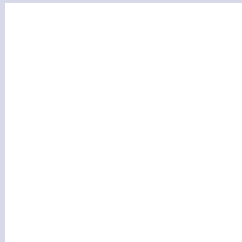
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.878, 285.762

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.878, 285.762.

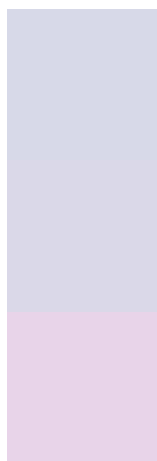


This preview shows how white text looks on a background with the CIELCh color 87, 7.878, 285.762.

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

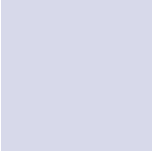
87, 7.878, 285.762

Protanopia

87, 8.427, 295.644

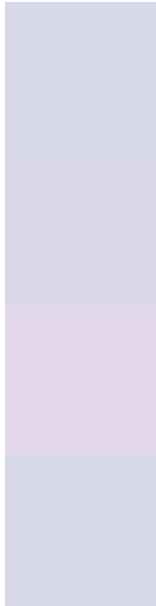
Deuteranopia

87, 13.145, 323.610



Tritanopia
87, 8.920, 286.459

Trichromacy



Original Color
87, 7.878, 285.762

Protanomaly
87, 8.401, 293.267

Deuteranomaly
87, 10.869, 313.851

Tritanomaly
87, 8.399, 286.129

Monochromacy



Original Color
87, 7.878, 285.762

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.642, 282.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.878, 285.762 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, 217, 232)` looks like.

```
.text, #text, p{  
    color:rgb(215, 217, 232)  
}
```

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, 217, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 217, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.878, 285.762 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, 217, 232) }
```

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

```
.border{ border-color:rgb(215, 217, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 217, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 217, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 217, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 217,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.878, 285.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 217, 232) }
```

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

```
.background{ background-color: rgb(215,  
217, 232) }
```

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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