

Converting Colors

CIELCh(87, 10.294, 312.906)

Have a look what the booklet for
CIELCh(87, 10.294, 312.906)
contains.

CIELCh(87, 10.250, 313.160)	3
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Color

CIELCh(87, 10.250, 313.160)

Conversions

Conversions Part 1

Format	Color
Hex	E1D6E8
RGB	225, 214, 232
RGB Percent	88%, 84%, 91%
CMY	0.1172, 0.1603, 0.0898
CMYK	0.03, 0.08, 0.00, 0.09
HSL	277°, 28%, 87%
HSV	277°, 8%, 91%
XYZ	69.7415, 70.0064, 86.2639
YIQ	219.3410, 0.7780, 7.9300

Conversions

Conversions Part 2

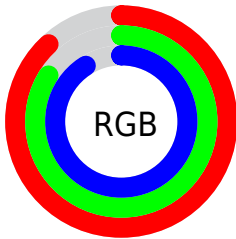
Format	Color
R _Y B	225, 214, 232
Decimal	14800616
CIE Lab	87.00, 7.01, -7.48
CIE LCh	87, 10.250, 313.160
Yxy	70.0064, 0.3086, 0.3097
Android (android.graphics.Color)	4292990696 (0xFFE1D6E8)
YUV	219.3410, 6.2409, 4.9629
Hunter-Lab	83.6698, 2.3633, -2.5593

Details

The CIELCh color **87, 10.250, 313.160** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 10.153, 132.542**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 10.303, 314.415** is the 20% darker color. If you saturate the color by 10%, you get **81, 23.741, 313.608**, and if you desaturate by 10%, it is **93, 2.914, 132.821**.

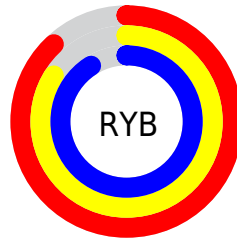
Distribution



Red (88%)

Green (84%)

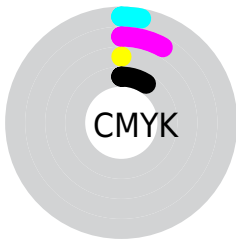
Blue (91%)



Red (88%)

Yellow (84%)

Blue (91%)

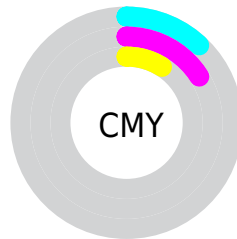


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (9%)



Cyan (12%)


Magenta (16%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 10.250, 313.160 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, 10.250, 313.160 by changing the saturation by 10% instead.


 87, 10.250,
313.160


 87, 10.250,
313.160


 100, 10.250,
313.160


 77, 10.250,
313.160

 67, 10.250,
313.160

 57, 10.250,
313.160

 47, 10.250,
313.160

 37, 10.250,
313.160

 27, 10.250,
313.160

 17, 10.250,

313.160

■ 7, 10.250, 313.160

■ 0, 10.250, 313.160

■ 87, 10.250,
313.160

■ 87, 10.250,
313.160

■ 81, 23.741,
313.608

■ 93, 2.914, 132.821

■ 74, 37.490,
314.069

■ 99, 12.395,
129.275

■ 68, 51.351,
314.531

■ 99, 11.640,
114.282

■ 62, 65.080,
314.965

■ 99, 11.584,
109.302

■ 56, 78.291,

315.330

■ 51, 90.411,
315.567

■ 47, 100.687,
315.597

■ 43, 108.313,
315.332

■ 41, 112.825,
314.713

Harmonies

Complementary

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



87, 10.250, 313.160



91, 10.153, 132.542

Rectangle

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



87, 10.250, 313.160



87, 10.250, 3.160



87, 10.250, 133.160



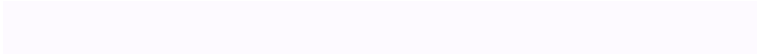
87, 10.250, 183.160

Sweetspot

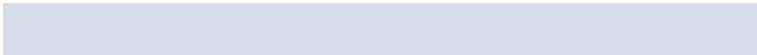
The Sweet Spot groups the original color and five complimentary colors.



87, 10.248, 313.158



99, 2.839, 312.869



88, 6.131, 266.498



53, 1.614, 312.861



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, 10.248, 313.158



94, 12.856, 313.216



88, 10.676, 327.691



46, 7.588, 313.235



31, 94.224, 314.730



5, 38.195, 315.363

Inverse Universe

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



87, 7.496, 350.740



94, 9.409, 350.873



90, 10.652, 146.831



46, 5.555, 350.917



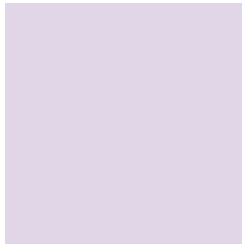
38, 65.708, 12.655



7, 27.922, 3.648

Previews

White Background



This preview shows how the CIELCh color 87, 10.250, 313.160 looks on a white background.

Color Contrast Check

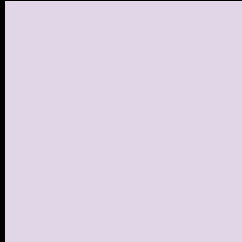
Large Text (above 18pt) WCAG AA × Fail

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, 10.250, 313.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

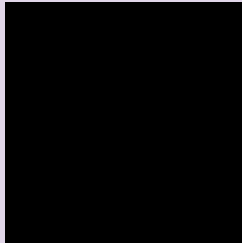
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

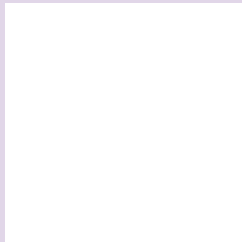
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 10.250, 313.160

Background



This preview shows how black text looks on a background with the CIELCh color 87, 10.250, 313.160.

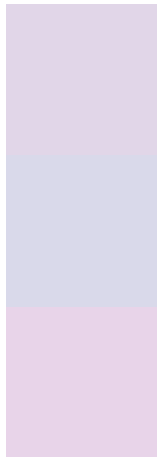


This preview shows how white text looks on a background with the CIELCh color 87, 10.250, 313.160.

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

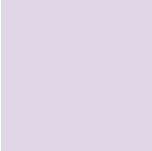
87, 10.250, 313.160

Protanopia

87, 8.904, 290.924

Deuteranopia

87, 13.145, 323.610



Tritanopia
87, 9.769, 314.320

Trichromacy



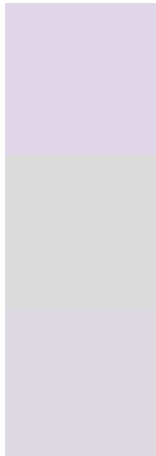
Original Color
87, 10.250, 313.160

Protanomaly
87, 9.039, 299.827

Deuteranomaly
87, 11.965, 319.172

Tritanomaly
87, 9.769, 314.320

Monochromacy



Original Color
87, 10.250, 313.160

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.956, 311.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 10.250, 313.160 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(225, 214, 232)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 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(225, 214, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 10.250, 313.160 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(225, 214, 232) }
```

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

```
.border{ border-color:rgb(225, 214, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 232);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 10.250, 313.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 232) }
```

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

```
.background{ background-color: rgb(225,  
214, 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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