

Converting Colors

CIELCh(86, 14.037, 313.644)

Have a look what the booklet for
CIELCh(86, 14.037, 313.644)
contains.

CIELCh(86, 13.730, 313.729)	3
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Color

CIELCh(86, 13.730, 313.729)

Conversions

Conversions Part 1

Format	Color
Hex	E1D2EA
RGB	225, 210, 234
RGB Percent	88%, 82%, 92%
CMY	0.1179, 0.1767, 0.0826
CMYK	0.04, 0.10, 0.00, 0.08
HSL	277°, 36%, 87%
HSV	277°, 10%, 92%
XYZ	68.8955, 67.9871, 87.2755
YIQ	217.2210, 1.2360, 10.6440

Conversions

Conversions Part 2

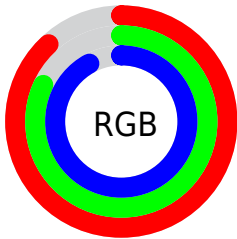
Format	Color
R_{YB}	225, 210, 234
Decimal	14799594
CIE Lab	86.00, 9.49, -9.92
CIE LCh	86, 13.730, 313.729
Yxy	67.9871, 0.3074, 0.3033
Android (android.graphics.Color)	4292989674 (0xFFE1D2EA)
YUV	217.2210, 8.2720, 6.8222
Hunter-Lab	82.4543, 4.8525, -5.0387

Details

The CIELCh color `86, 13.730, 313.729` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 13.580, 132.887`, 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 `66, 13.312, 314.185` is the 20% darker color. If you saturate the color by 10%, you get `80, 27.417, 314.177`, and if you desaturate by 10%, it is `93, 0.350, 312.814`.

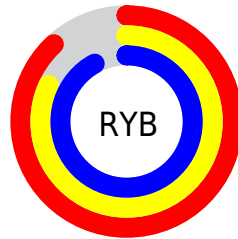
Distribution



Red (88%)

Green (82%)

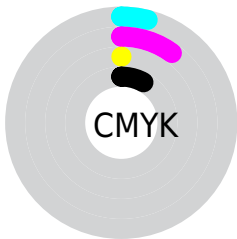
Blue (92%)



Red (88%)

Yellow (82%)

Blue (92%)

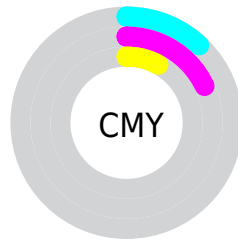


Cyan (4%)

Magenta (10%)

Yellow (0%)

Black (8%)



Cyan (12%)


Magenta (18%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 13.730, 313.729 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 86, 13.730, 313.729 by changing the saturation by 10% instead.


 86, 13.730,
313.729


 86, 13.730,
313.729


 100, 13.730,
313.729


 76, 13.730,
313.729

 66, 13.730,
313.729

 56, 13.730,
313.729

 46, 13.730,
313.729

 36, 13.730,
313.729

 26, 13.730,
313.729

 16, 13.730,

313.729

■ 6, 13.730, 313.729

■ 0, 13.730, 313.729

■ 86, 13.730,
313.729

■ 86, 13.730,
313.729

■ 80, 27.417,
314.177

■ 93, 0.350, 312.814

■ 73, 41.323,
314.636

■ 99, 11.632,
131.963

■ 67, 55.273,
315.086

■ 99, 10.770,
116.566

■ 61, 68.984,
315.497

■ 100, 10.668,
109.370

■ 56, 82.014,

315.825

■ 51, 93.737,
316.005

■ 47, 103.370,
315.958

■ 43, 110.151,
315.601

■ 41, 113.972,
314.946

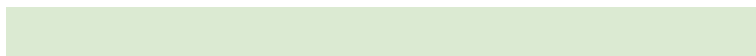
Harmonies

Complementary

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



86, 13.730, 313.729



91, 13.580, 132.887

Rectangle

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



86, 13.730, 313.729



86, 13.730, 3.729



86, 13.730, 133.729



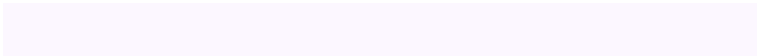
86, 13.730, 183.729

Sweetspot

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



86, 13.728, 313.727



98, 4.273, 313.390



87, 8.309, 268.336



52, 3.241, 313.432



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 13.728, 313.727



92, 17.260, 313.808



87, 14.069, 328.362



46, 7.613, 313.692



31, 93.955, 315.122



5, 38.250, 315.832

Inverse Universe

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



86, 9.938, 351.881



92, 12.506, 352.069



90, 14.039, 147.165



46, 5.509, 351.798



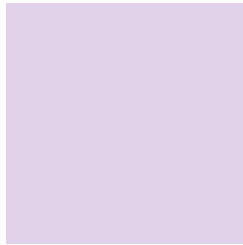
38, 65.920, 13.994



7, 27.883, 4.615

Previews

White Background



This preview shows how the CIELCh color 86, 13.730, 313.729 looks on a white background.

Color Contrast Check

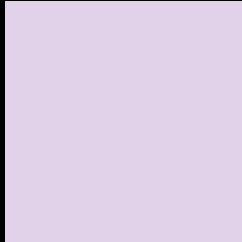
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 86, 13.730, 313.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

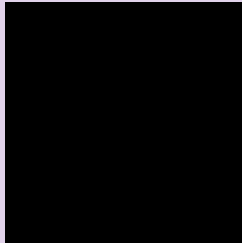
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

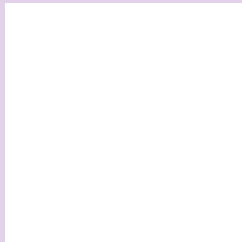
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 13.730, 313.729

Background



This preview shows how black text looks on a background with the CIELCh color 86, 13.730, 313.729.



This preview shows how white text looks on a background with the CIELCh color 86, 13.730, 313.729.

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





Tritanopia
86, 10.102, 318.044

Trichromacy



Original Color
86, 13.730, 313.729

Protanomaly
86, 11.661, 297.986

Deuteranomaly
86, 14.503, 315.532

Tritanomaly
86, 11.041, 315.558

Monochromacy



Original Color
86, 13.730, 313.729

Achromatopsia
87, 0.010, 296.813

Achromatomaly
86, 5.215, 314.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 13.730, 313.729 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, 210, 234)` looks like.

```
.text, #text, p{  
    color:rgb(225, 210, 234)  
}
```

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, 210, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 210, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 13.730, 313.729 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, 210, 234) }
```

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

```
.border{ border-color:rgb(225, 210, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 210, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 210, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 210, 234);  
box-shadow:4px 4px 4px 4px rgb(225, 210,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 13.730, 313.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 210, 234) }
```

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

```
.background{ background-color: rgb(225,  
210, 234) }
```

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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