

Converting Colors

CIELCh(86, 9.181, 313.676)

Have a look what the booklet for
CIELCh(86, 9.181, 313.676) contains.

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Color

CIELCh(86, 9.163, 313.584)

Conversions

Conversions Part 1

Format	Color
Hex	DED4E4
RGB	222, 212, 228
RGB Percent	87%, 83%, 89%
CMY	0.1307, 0.1699, 0.1072
CMYK	0.03, 0.07, 0.00, 0.11
HSL	277°, 23%, 86%
HSV	277°, 7%, 89%
XYZ	67.4454, 67.9871, 82.7284
YIQ	216.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

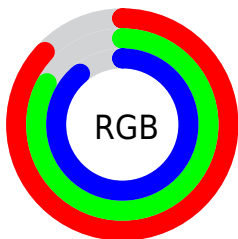
Format	Color
R _Y B	222, 212, 228
Decimal	14603492
CIE Lab	86.00, 6.32, -6.64
CIE LCh	86, 9.163, 313.584
Yxy	67.9871, 0.3092, 0.3116
Android (android.graphics.Color)	4292793572 (0xFFDED4E4)
YUV	216.8140, 5.5147, 4.5481
Hunter-Lab	82.4543, 1.7131, -1.7691

Details

The CIELCh color $86, 9.163, 313.584$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $89, 9.083, 133.035$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $66, 9.671, 313.676$ is the 20% darker color. If you saturate the color by 10%, you get $80, 22.461, 314.028$, and if you desaturate by 10%, it is $92, 3.815, 133.238$.

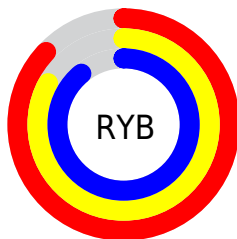
Distribution



Red (87%)

Green (83%)

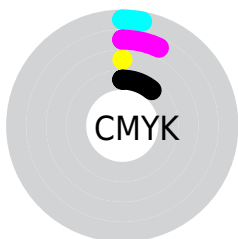
Blue (89%)



Red (87%)

Yellow (83%)

Blue (89%)

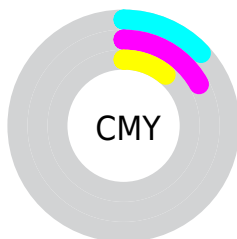


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (11%)



Cyan (13%)

Magenta (17%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 9.163, 313.584 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, 9.163, 313.584 by changing the saturation by 10% instead.

86, 9.163, 313.584

86, 9.163, 313.584

100, 9.163,
313.584

76, 9.163, 313.584

66, 9.163, 313.584

56, 9.163, 313.584

46, 9.163, 313.584

36, 9.163, 313.584

26, 9.163, 313.584

16, 9.163, 313.584

6, 9.163, 313.584

0, 9.163, 313.584

86, 9.163, 313.584

86, 9.163, 313.584

80, 22.461,
314.028

92, 3.815, 133.238

73, 36.009,
314.484

98, 15.095,
131.851

67, 49.666,
314.939

99, 14.142,
120.491

61, 63.196,
315.367

99, 13.828,
109.133

56, 76.223,
315.728

51, 88.196,
315.965

47, 98.394,
316.004

43, 106.034,
315.760

■ 41, 110.611,
315.167

Harmonies

Complementary

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



86, 9.163, 313.584



89, 9.083, 133.035

Rectangle

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



86, 9.163, 313.584



86, 9.163, 3.584



86, 9.163, 133.584



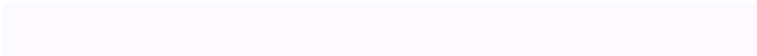
86, 9.163, 183.584

Sweetspot

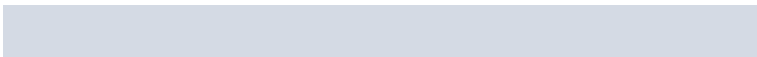
The Sweet Spot groups the original color and five complimentary colors.



86, 9.161, 313.581



99, 2.849, 313.325



87, 5.560, 267.892



53, 1.620, 313.318



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, 9.161, 313.581



94, 11.452, 313.627



86, 9.405, 328.160



45, 7.477, 313.690



31, 92.964, 315.132



5, 36.364, 315.483

Inverse Universe

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



86, 6.621, 351.540



95, 8.282, 351.648



89, 9.382, 147.390



45, 5.411, 351.794



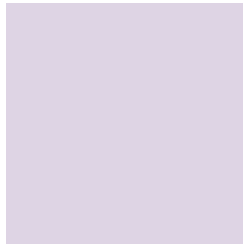
38, 65.219, 13.930



7, 26.814, 3.955

Previews

White Background



This preview shows how the CIELCh color 86, 9.163, 313.584 looks on a white background.

Color Contrast Check

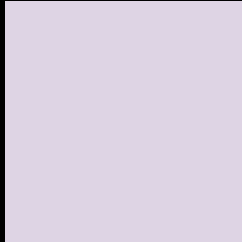
Large Text (above 18pt) WCAG AA × Fail

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 86, 9.163, 313.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

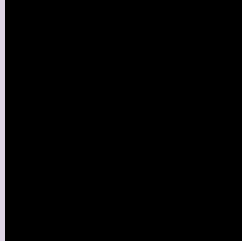
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

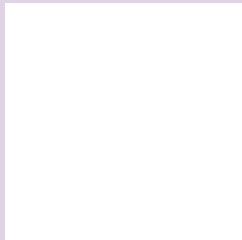
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 9.163, 313.584

Background



This preview shows how black text looks on a background with the CIELCh color 86, 9.163, 313.584.

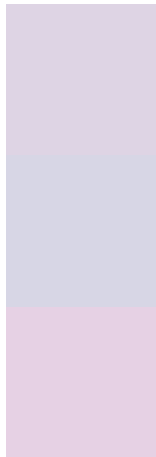


This preview shows how white text looks on a background with the CIELCh color 86, 9.163, 313.584.

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

86, 9.163, 313.584

Protanopia

86, 7.891, 293.393

Deuteranopia

86, 12.529, 327.630



Tritanopia
86, 9.163, 313.584

Trichromacy



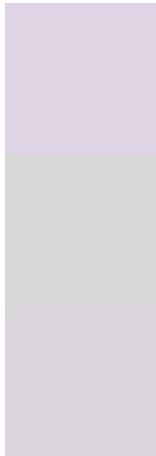
Original Color
86, 9.163, 313.584

Protanomaly
86, 8.545, 300.353

Deuteranomaly
86, 11.277, 323.328

Tritanomaly
86, 9.163, 313.584

Monochromacy



Original Color
86, 9.163, 313.584

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.483, 314.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 9.163, 313.584 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(222, 212, 228)` looks like.

```
.text, #text, p{  
    color:rgb(222, 212, 228)  
}
```

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(222, 212, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 9.163, 313.584 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(222, 212, 228) }
```

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

```
.border{ border-color:rgb(222, 212, 228) }
```

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

Here you see how a box with a 4 pixel rgb(222, 212, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 228);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 9.163, 313.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 228) }
```

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

```
.background{ background-color: rgb(222,  
212, 228) }
```

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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