

Converting Colors

CIELCh(86, 7.275, 296.100)

Have a look what the booklet for
CIELCh(86, 7.275, 296.100) contains.

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Color

CIELCh(86, 6.875, 296.643)

Conversions

Conversions Part 1

Format	Color
Hex	D8D6E3
RGB	216, 214, 227
RGB Percent	85%, 84%, 89%
CMY	0.1543, 0.1621, 0.1112
CMYK	0.05, 0.06, 0.00, 0.11
HSL	249°, 19%, 86%
HSV	249°, 6%, 89%
XYZ	65.9886, 67.9871, 82.0606
YIQ	216.0800, -2.9810, 4.4670

Conversions

Conversions Part 2

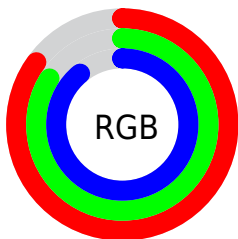
Format	Color
R _Y B	216, 214, 227
Decimal	14210787
CIE Lab	86.00, 3.08, -6.14
CIE LCh	86, 6.875, 296.643
Yxy	67.9871, 0.3055, 0.3147
Android (android.graphics.Color)	4292400867 (0xFFD8D6E3)
YUV	216.0800, 5.3836, -0.0702
Hunter-Lab	82.4543, -1.4404, -1.2889

Details

The CIELCh color `86, 6.875, 296.643` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 6.773, 115.778`, 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, 7.262, 296.778` is the 20% darker color. If you saturate the color by 10%, you get `79, 19.220, 297.489`, and if you desaturate by 10%, it is `93, 5.000, 115.898`.

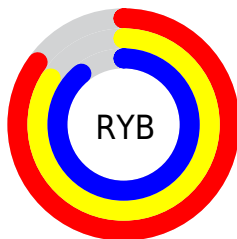
Distribution



Red (85%)

Green (84%)

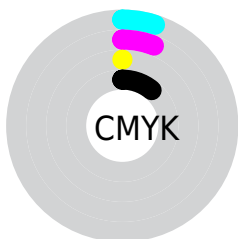
Blue (89%)



Red (85%)

Yellow (84%)

Blue (89%)

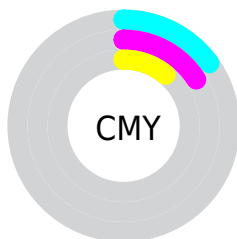


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (16%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 6.875, 296.643 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, 6.875, 296.643 by changing the saturation by 10% instead.

■ 86, 6.875, 296.643

■ 86, 6.875, 296.643

100, 6.875,
296.643

■ 76, 6.875, 296.643

■ 66, 6.875, 296.643

■ 56, 6.875, 296.643

■ 46, 6.875, 296.643

■ 36, 6.875, 296.643

■ 26, 6.875, 296.643

■ 16, 6.875, 296.643

■ 6, 6.875, 296.643

■ 0, 6.875, 296.643

86, 6.875, 296.643

86, 6.875, 296.643

79, 19.220,
297.489

93, 5.000, 115.898

72, 32.065,
298.481

99, 14.355,
110.524

64, 45.417,
299.619

99, 14.347,
109.093

57, 59.239,
300.906

50, 73.393,
302.316

44, 87.515,
303.780

38, 100.826,
305.156

33, 111.955,
306.221

■ 30,119.204,
306.724

Harmonies

Complementary

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



86, 6.875, 296.643



90, 6.773, 115.778

Rectangle

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



86, 6.875, 296.643



86, 6.875, 346.643



86, 6.875, 116.643



86, 6.875, 166.643

Sweetspot

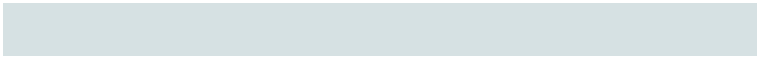
The Sweet Spot groups the original color and five complimentary colors.



86, 6.873, 296.635



98, 2.627, 296.350



89, 4.002, 214.016



52, 1.494, 296.343



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, 6.873, 296.635



94, 9.256, 296.740



86, 7.485, 314.342



44, 5.420, 296.780



21, 100.273, 306.931



2, 31.903, 299.540

Inverse Universe

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



87, 7.446, 329.260



96, 10.013, 329.347



89, 7.430, 133.916



45, 5.860, 329.380



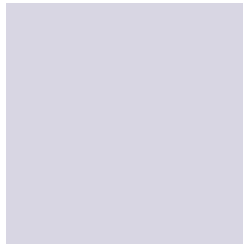
40, 77.624, 335.433



7, 32.382, 334.078

Previews

White Background



This preview shows how the CIELCh color 86, 6.875, 296.643 looks on a white background.

Color Contrast Check

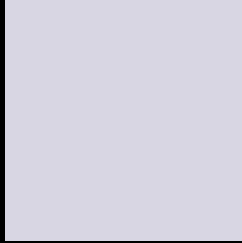
Large Text (above 18pt) WCAG AA × Fail

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, 6.875, 296.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

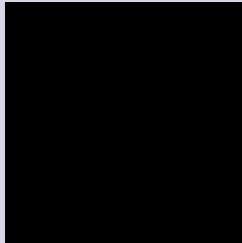
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

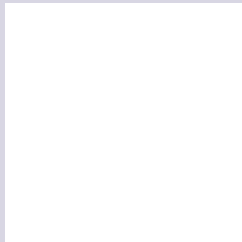
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 6.875, 296.643

Background



This preview shows how black text looks on a background with the CIELCh color 86, 6.875, 296.643.

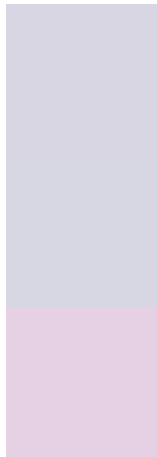


This preview shows how white text looks on a background with the CIELCh color 86, 6.875, 296.643.

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, 6.875, 296.643

Protanopia

86, 6.843, 293.709

Deuteranopia

86, 12.529, 327.630



Tritanopia
86, 9.011, 297.629

Trichromacy



Original Color
86, 6.875, 296.643

Protanomaly
86, 6.843, 293.709

Deuteranomaly
86, 10.271, 319.823

Tritanomaly
86, 8.490, 298.013

Monochromacy



Original Color
86, 6.875, 296.643

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 2.659, 298.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 6.875, 296.643 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(216, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 227)  
}
```

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(216, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 6.875, 296.643 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(216, 214, 227) }
```

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

```
.border{ border-color:rgb(216, 214, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 214, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 214,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 6.875, 296.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 227) }
```

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

```
.background{ background-color: rgb(216,  
214, 227) }
```

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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