

Converting Colors

CIELCh(80, 28.577, 318.695)

Have a look what the booklet for
CIELCh(80, 28.577, 318.695)
contains.

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Color

CIELCh(80, 28.742, 318.825)

Conversions

Conversions Part 1

Format	Color
Hex	DFBAEA
RGB	223, 186, 234
RGB Percent	87%, 73%, 92%
CMY	0.1259, 0.2710, 0.0828
CMYK	0.05, 0.21, 0.00, 0.08
HSL	286°, 53%, 82%
HSV	286°, 21%, 92%
XYZ	62.7733, 56.6813, 85.3954
YIQ	202.5350, 6.6440, 22.7720

Conversions

Conversions Part 2

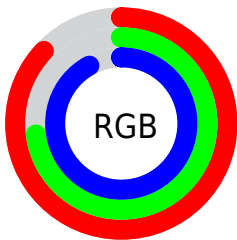
Format	Color
R_{YB}	223, 186, 234
Decimal	14662378
CIE _{Lab}	80.00, 21.63, -18.92
CIE _{LCh}	80, 28.742, 318.825
Yxy	56.6813, 0.3064, 0.2767
Android (android.graphics.Color)	4292852458 (0xFFDFBAEA)
YUV	202.5350, 15.5122, 17.9478
Hunter-Lab	75.2870, 17.0789, -14.5497

Details

The CIELCh color $80, 28.742, 318.825$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89, 28.414, 136.940$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 8.100, 324.685$, and $60, 28.329, 318.544$ is the 20% darker color. If you saturate the color by 10%, you get $74, 42.946, 319.267$, and if you desaturate by 10%, it is $86, 14.615, 318.373$.

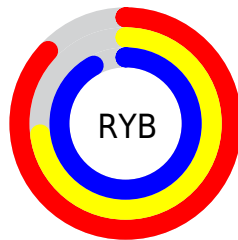
Distribution



Red (87%)

Green (73%)

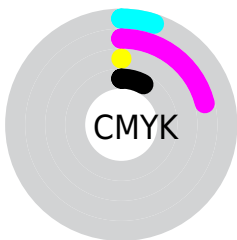
Blue (92%)



Red (87%)

Yellow (73%)

Blue (92%)

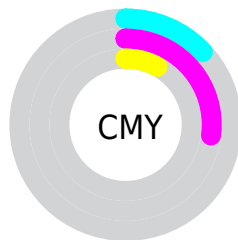


Cyan (5%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (13%)


Magenta (27%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 28.742, 318.825 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 80, 28.742, 318.825 by changing the saturation by 10% instead.


 80, 28.742,
318.825


 80, 28.742,
318.825


 100, 28.742,
318.825


 70, 28.742,
318.825

 60, 28.742,
318.825

 50, 28.742,
318.825

 40, 28.742,
318.825

 30, 28.742,
318.825

 20, 28.742,
318.825

 10, 28.742,

318.825

■ 0, 28.742, 318.825

■ 80, 28.742,
318.825

■ 80, 28.742,
318.825

■ 74, 42.946,
319.267

■ 86, 14.615,
318.373

■ 68, 56.994,
319.684

■ 92, 0.723, 317.643

■ 63, 70.522,
320.046

■ 98, 12.193,
137.225

■ 58, 83.028,
320.315

■ 99, 11.395,
128.895

■ 54, 93.876,
320.445

■ 99, 10.875,
119.441

■ 100, 10.682,

■ 51, 102.384,
320.382

109.369

■ 48, 108.015,
320.079

■ 47, 110.872,
319.577

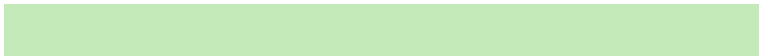
Harmonies

Complementary

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



80, 28.742, 318.825



89, 28.414, 136.940

Rectangle

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



80, 28.742, 318.825



80, 28.742, 8.825



80, 28.742, 138.825



80, 28.742, 188.825

Sweetspot

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



80, 28.740, 318.825



96, 8.905, 318.165



80, 19.873, 281.100



51, 5.910, 318.196



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 28.740, 318.825



84, 37.657, 319.030



81, 25.446, 334.360



46, 7.905, 318.325



36, 91.468, 319.705



7, 38.615, 320.701

Inverse Universe

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



80, 18.956, 3.162



83, 25.019, 3.754



89, 25.277, 151.458



46, 5.125, 1.890



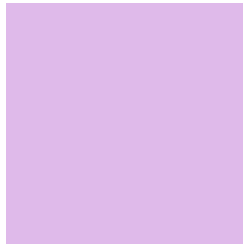
38, 70.484, 27.092



7, 27.859, 13.108

Previews

White Background



This preview shows how the CIELCh color 80, 28.742, 318.825 looks on a white background.

Color Contrast Check

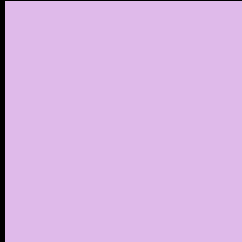
Large Text (above 18pt) WCAG AA × Fail

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 80, 28.742, 318.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

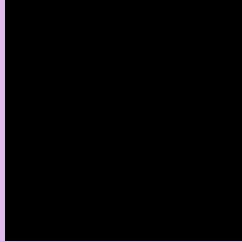
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 28.742, 318.825

Background



This preview shows how black text looks on a background with the CIELCh color 80, 28.742, 318.825.



This preview shows how white text looks on a background with the CIELCh color 80, 28.742, 318.825.

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
80, 28.742, 318.825

Protanopia
80, 23.524, 285.817

Deuteranopia
80, 20.511, 299.610



Tritanopia
80, 13.041, 342.794

Trichromacy



Original Color
80, 28.742, 318.825

Protanomaly
80, 24.227, 298.657

Deuteranomaly
80, 23.449, 308.276

Tritanomaly
80, 18.266, 328.988

Monochromacy



Original Color
80, 28.742, 318.825

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 10.872, 318.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 28.742, 318.825 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(223, 186, 234)` looks like.

```
.text, #text, p{  
    color:rgb(223, 186, 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(223, 186, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 186, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 28.742, 318.825 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(223, 186, 234) }
```

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

```
.border{ border-color:rgb(223, 186, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 186, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 186, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 186, 234);  
box-shadow:4px 4px 4px 4px rgb(223, 186,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 28.742, 318.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 186, 234) }
```

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

```
.background{ background-color: rgb(223,  
186, 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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