

Converting Colors

CIELCh(80, 28.026, 320.941)

Have a look what the booklet for
CIELCh(80, 28.026, 320.941)
contains.

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Color

CIELCh(80, 27.972, 320.481)

Conversions

Conversions Part 1

Format	Color
Hex	E0BAE8
RGB	224, 186, 232
RGB Percent	88%, 73%, 91%
CMY	0.1223, 0.2712, 0.0909
CMYK	0.03, 0.20, 0.00, 0.09
HSL	290°, 50%, 82%
HSV	290°, 20%, 91%
XYZ	62.7490, 56.6813, 83.8449
YIQ	202.6060, 7.8820, 22.3620

Conversions

Conversions Part 2

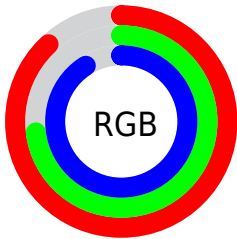
Format	Color
R _Y B	224, 186, 232
Decimal	14727912
CIE Lab	80.00, 21.58, -17.80
CIE LCh	80, 27.972, 320.481
Yxy	56.6813, 0.3087, 0.2788
Android (android.graphics.Color)	4292917992 (0xFFE0BAE8)
YUV	202.6060, 14.4912, 18.7625
Hunter-Lab	75.2870, 17.0213, -13.3287

Details

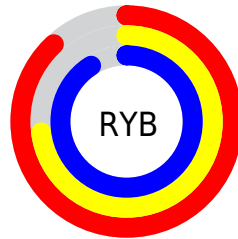
The CIELCh color $80, 27.972, 320.481$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88, 27.743, 138.575$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 8.100, 324.685$, and $60, 27.504, 320.304$ is the 20% darker color. If you saturate the color by 10%, you get $74, 42.210, 320.936$, and if you desaturate by 10%, it is $86, 13.773, 320.013$.

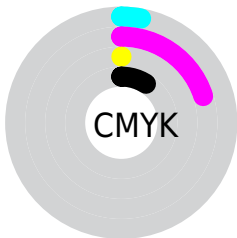
Distribution



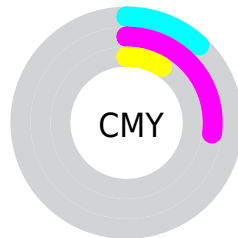
- Red (88%)
- Green (73%)
- Blue (91%)



- Red (88%)
- Yellow (73%)
- Blue (91%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)





- Cyan (12%)
- Magenta (27%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 27.972, 320.481 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, 27.972, 320.481 by changing the saturation by 10% instead.


 80, 27.972,
320.481


 80, 27.972,
320.481


 100, 27.972,
320.481

 70, 27.972,
320.481

 60, 27.972,
320.481

 50, 27.972,
320.481

 40, 27.972,
320.481

 30, 27.972,
320.481

 20, 27.972,
320.481

 10, 27.972,

320.481

■ 0, 27.972, 320.481

■ 80, 27.972,
320.481

■ 80, 27.972,
320.481

■ 74, 42.210,
320.936

■ 86, 13.773,
320.013

■ 69, 56.238,
321.362

■ 92, 0.215, 140.701

■ 64, 69.676,
321.736

■ 98, 13.659,
139.087

■ 59, 82.018,
322.022

■ 98, 12.983,
133.734

■ 55, 92.645,
322.182

■ 99, 12.433,
127.798

■ 99, 12.029,

■ 52, 100.920,
322.173

121.336

■ 50, 106.371,
321.959

■ 99, 11.792,
114.470

■ 48, 109.179,
321.547

■ 99, 11.731,
109.291

■ 48, 109.218,
321.540

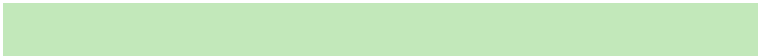
Harmonies

Complementary

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



80, 27.972, 320.481



88, 27.743, 138.575

Rectangle

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



80, 27.972, 320.481



80, 27.972, 10.481



80, 27.972, 140.481



80, 27.972, 190.481

Sweetspot

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



80, 27.970, 320.481



96, 9.046, 319.829



79, 20.199, 283.953



51, 6.004, 319.862



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, 27.970, 320.481



84, 36.629, 320.678



80, 23.579, 336.381



45, 7.884, 319.995



37, 89.779, 321.646



7, 37.160, 322.449

Inverse Universe

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



80, 17.883, 7.235



84, 23.634, 7.776



88, 23.366, 153.457



45, 4.936, 6.065



37, 72.247, 31.200



7, 26.694, 14.513

Previews

White Background



This preview shows how the CIELCh color 80, 27.972, 320.481 looks on a white background.

Color Contrast Check

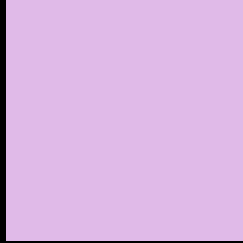
Large Text (above 18pt) WCAG AA × Fail

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, 27.972, 320.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

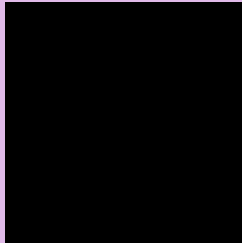
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 27.972, 320.481

Background



This preview shows how black text looks on a background with the CIELCh color 80, 27.972, 320.481.



This preview shows how white text looks on a background with the CIELCh color 80, 27.972, 320.481.

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, 27.972, 320.481

Protanopia

80, 22.470, 285.392

Deuteranopia

80, 19.512, 300.977



Tritanopia
80, 13.036, 345.700

Trichromacy



Original Color
80, 27.972, 320.481

Protanomaly
80, 23.215, 299.723

Deuteranomaly
80, 22.538, 309.870

Tritanomaly
80, 18.086, 330.977

Monochromacy



Original Color
80, 27.972, 320.481

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 10.407, 319.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 27.972, 320.481 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(224, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(224, 186, 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(224, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 186, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 27.972, 320.481 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(224, 186, 232) }
```

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

```
.border{ border-color:rgb(224, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(224, 186,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 27.972, 320.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 186, 232) }
```

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

```
.background{ background-color: rgb(224,  
186, 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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