

Converting Colors

CIELCh(80, 37.772, 304.784)

Have a look what the booklet for
CIELCh(80, 37.772, 304.784)
contains.

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Color

CIELCh(80, 37.225, 304.903)

Conversions

Conversions Part 1

Format	Color
Hex	D2BBFF
RGB	210, 187, 255
RGB Percent	82%, 73%, 100%
CMY	0.1751, 0.2653, 0.0000
CMYK	0.18, 0.27, 0.00, 0.00
HSL	260°, 100%, 87%
HSV	260°, 27%, 100%
XYZ	62.6288, 56.6813, 102.5524
YIQ	201.6290, -8.1200, 26.0240

Conversions

Conversions Part 2

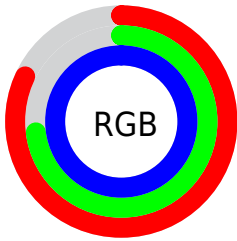
Format	Color
R _Y B	210, 187, 255
Decimal	13810687
CIE Lab	80.00, 21.30, -30.53
CIE LCh	80, 37.225, 304.903
Yxy	56.6813, 0.2823, 0.2555
Android (android.graphics.Color)	4292000767 (0xFFD2BBFF)
YUV	201.6290, 26.3119, 7.3414
Hunter-Lab	75.2870, 16.7362, -28.0612

Details

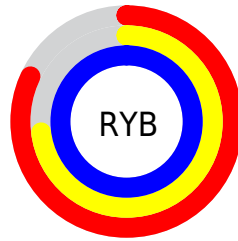
The CIELCh color `80, 37.225, 304.903` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 35.223, 121.835`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 7.476, 324.660`, and `60, 37.016, 304.955` is the 20% darker color. If you saturate the color by 10%, you get `73, 51.806, 305.717`, and if you desaturate by 10%, it is `88, 22.691, 304.267`.

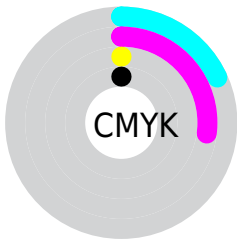
Distribution



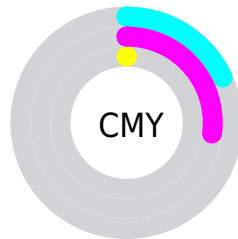
- Red (82%)
- Green (73%)
- Blue (100%)



- Red (82%)
- Yellow (73%)
- Blue (100%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (27%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.225, 304.903 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, 37.225, 304.903 by changing the saturation by 10% instead.


 80, 37.225,
304.903


 80, 37.225,
304.903


 100, 37.225,
304.903


 70, 37.225,
304.903

 60, 37.225,
304.903

 50, 37.225,
304.903

 40, 37.225,
304.903

 30, 37.225,
304.903

 20, 37.225,
304.903

 10, 37.225,

304.903

■ 0, 37.225, 304.903

■ 80, 37.225,
304.903

■ 80, 37.225,
304.903

■ 73, 51.806,
305.717

■ 88, 22.691,
304.267

■ 65, 66.882,
306.531

■ 95, 8.816, 303.650

■ 58, 82.001,
307.364

100, 0.012,
296.813

■ 51, 96.661,
308.143

■ 45, 109.990,
308.755

■ 41,120.719,
309.038

■ 37,127.545,
308.829

■ 36,129.241,
308.694

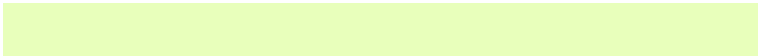
Harmonies

Complementary

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



80, 37.225, 304.903



97, 35.223, 121.835

Rectangle

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



80, 37.225, 304.903



80, 37.225, 354.903



80, 37.225, 124.903



80, 37.225, 174.903

Sweetspot

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



80, 37.036, 304.957



94, 10.823, 303.737



90, 18.342, 238.654



49, 7.711, 303.827



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, 37.036, 304.957



76, 45.065, 305.364



83, 40.598, 321.013



49, 7.711, 303.827



26, 103.878, 308.862



5, 44.821, 308.672

Inverse Universe

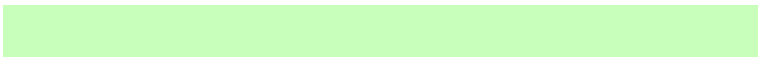
The Inverse Universe completely reimagines the original color for something new.



83, 33.583, 337.965



80, 40.481, 338.438



95, 40.196, 138.356



50, 7.133, 336.600



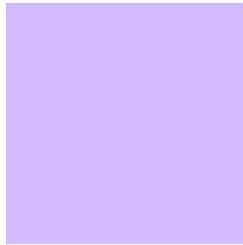
42, 72.536, 348.010



11, 34.206, 344.878

Previews

White Background



This preview shows how the CIELCh color 80, 37.225, 304.903 looks on a white background.

Color Contrast Check

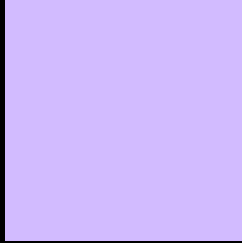
Large Text (above 18pt) WCAG AA × Fail

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, 37.225, 304.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

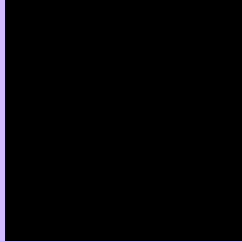
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 37.225, 304.903

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.225, 304.903.



This preview shows how white text looks on a background with the CIELCh color 80, 37.225, 304.903.

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
80, 8.418, 308.207

Trichromacy



Original Color
80, 37.225, 304.903

Protanomaly
80, 33.083, 293.063

Deuteranomaly
80, 33.171, 295.838

Tritanomaly
80, 18.771, 305.660

Monochromacy



Original Color
80, 37.225, 304.903

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 13.130, 303.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.225, 304.903 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(210, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 187, 255)  
}
```

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(210, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 187, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.225, 304.903 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(210, 187, 255) }
```

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

```
.border{ border-color:rgb(210, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 187,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.225, 304.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 187, 255) }
```

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

```
.background{ background-color: rgb(210,  
187, 255) }
```

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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