

Converting Colors

CIELCh(84, 87.496, 309.047)

Have a look what the booklet for
CIELCh(84, 87.496, 309.047)
contains.

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Color

CIELCh(80, 47.738, 322.044)

Conversions

Conversions Part 1

Format	Color
Hex	F3AFFE
RGB	243, 175, 254
RGB Percent	95%, 69%, 100%
CMY	0.0484, 0.3148, 0.0053
CMYK	0.04, 0.31, 0.00, 0.01
HSL	292°, 97%, 84%
HSV	292°, 31%, 99%
XYZ	69.9537, 56.6813, 100.7312
YIQ	204.3380, 15.1690, 38.9850

Conversions

Conversions Part 2

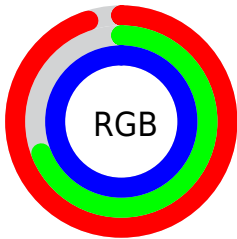
Format	Color
R_{YB}	243, 175, 254
Decimal	15970302
CIE _{Lab}	80.00, 37.64, -29.36
CIE _{LCh}	80, 47.738, 322.044
Yxy	56.6813, 0.3077, 0.2493
Android (android.graphics.Color)	4294160382 (0xFFFF3AFFE)
YUV	204.3380, 24.4834, 33.9066
Hunter-Lab	75.2870, 34.1029, -26.6269

Details

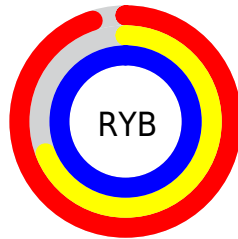
The CIELCh color $80, 47.738, 322.044$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $94, 47.303, 138.779$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.992, 324.942$, and $60, 48.043, 322.186$ is the 20% darker color. If you saturate the color by 10%, you get $74, 62.797, 322.477$, and if you desaturate by 10%, it is $86, 32.339, 321.579$.

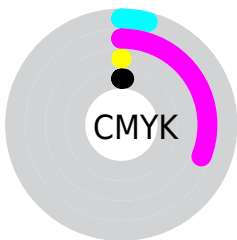
Distribution



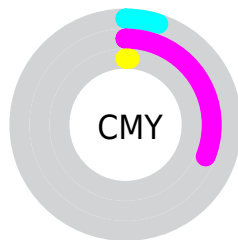
- Red (95%)
- Green (69%)
- Blue (100%)



- Red (95%)
- Yellow (69%)
- Blue (100%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)
- Black (1%)





- Cyan (5%)
- Magenta (31%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 47.738, 322.044 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, 47.738, 322.044 by changing the saturation by 10% instead.


 80, 47.738,
322.044


 80, 47.738,
322.044


 100, 47.738,
322.044


 70, 47.738,
322.044

 60, 47.738,
322.044

 50, 47.738,
322.044

 40, 47.738,
322.044

 30, 47.738,
322.044

 20, 47.738,
322.044

 10, 47.738,

322.044

■ 0, 47.738, 322.044

■ 80, 47.738,
322.044

■ 80, 47.738,
322.044

■ 74, 62.797,
322.477

■ 86, 32.339,
321.579

■ 69, 77.077,
322.852

■ 92, 16.921,
321.097

■ 64, 89.994,
323.137

■ 99, 1.689, 320.485

■ 60, 100.874,
323.296

100, 0.670,
110.012

■ 57, 109.069,
323.293

■ 55,114.177,
323.101

■ 54,116.404,
322.784

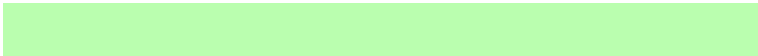
Harmonies

Complementary

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



80, 47.738, 322.044



94, 47.303, 138.779

Rectangle

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



80, 47.738, 322.044



80, 47.738, 12.044



80, 47.738, 142.044



80, 47.738, 192.044

Sweetspot

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



80, 47.735, 322.044



94, 13.740, 320.994



77, 36.112, 287.587



49, 9.558, 321.065



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, 47.735, 322.044



77, 56.910, 322.305



80, 38.941, 338.818



50, 8.683, 321.019



41, 94.106, 322.872



10, 43.212, 323.494

Inverse Universe

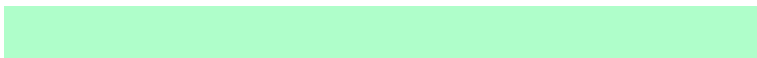
The Inverse Universe completely reimagines the original color for something new.



79, 30.912, 11.411



76, 37.444, 12.354



93, 38.331, 153.718



50, 5.332, 8.759



40, 78.019, 33.741



10, 32.344, 21.465

Previews

White Background



This preview shows how the CIELCh color 80, 47.738, 322.044 looks on a white background.

Color Contrast Check

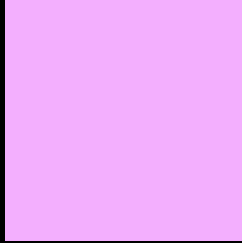
Large Text (above 18pt) WCAG AA × Fail

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, 47.738, 322.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

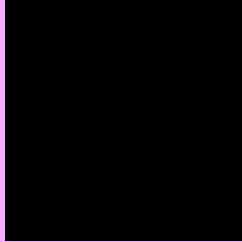
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 47.738, 322.044

Background



This preview shows how black text looks on a background with the CIELCh color 80, 47.738, 322.044.



This preview shows how white text looks on a background with the CIELCh color 80, 47.738, 322.044.

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, 20.299, 358.153

Trichromacy



Original Color
80, 47.773, 322.049



Protanomaly
80, 35.735, 301.562



Deuteranomaly
80, 34.546, 305.165

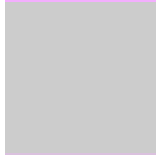


Tritanomaly
80, 29.136, 336.669

Monochromacy



Original Color
80, 47.773, 322.049



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.882, 321.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 47.738, 322.044 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(243, 175, 254)` looks like.

```
.text, #text, p{  
    color:rgb(243, 175, 254)  
}
```

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(243, 175, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 175, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 47.738, 322.044 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(243, 175, 254) }
```

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

```
.border{ border-color:rgb(243, 175, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 175, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 175, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 175, 254);  
box-shadow:4px 4px 4px 4px rgb(243, 175,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 47.738, 322.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 175, 254) }
```

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

```
.background{ background-color: rgb(243,  
175, 254) }
```

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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