

Converting Colors

CIELCh(80, 47.261, 331.146)

Have a look what the booklet for
CIELCh(80, 47.261, 331.146)
contains.

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Color

CIELCh(80, 47.270, 331.044)

Conversions

Conversions Part 1

Format	Color
Hex	FFABF2
RGB	255, 171, 242
RGB Percent	100%, 67%, 95%
CMY	0.0007, 0.3301, 0.0517
CMYK	0.00, 0.33, 0.05, 0.00
HSL	309°, 100%, 83%
HSV	309°, 33%, 100%
XYZ	71.6974, 56.6813, 91.0185
YIQ	204.2100, 27.2730, 39.8890

Conversions

Conversions Part 2

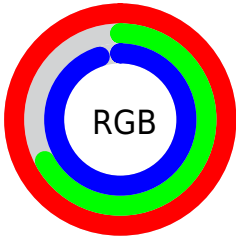
Format	Color
RYB	255, 171, 242
Decimal	16755698
CIELab	80.00, 41.36, -22.89
CIELCh	80, 47.270, 331.044
Yxy	56.6813, 0.3268, 0.2584
Android (android.graphics.Color)	4294945778 (0xFFFFABF2)
YUV	204.2100, 18.6305, 44.5428
Hunter-Lab	75.2870, 38.2371, -18.9780

Details

The CIELCh color `80, 47.270, 331.044` is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be `93, 47.170, 146.458`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `93, 17.506, 325.031`, and `60, 47.505, 330.893` is the 20% darker color. If you saturate the color by 10%, you get `75, 60.955, 331.694`, and if you desaturate by 10%, it is `86, 33.015, 330.402`.

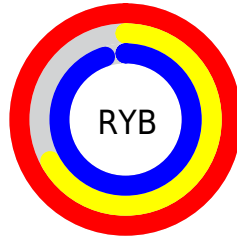
Distribution



Red (100%)

Green (67%)

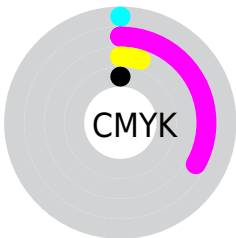
Blue (95%)



Red (100%)

Yellow (67%)

Blue (95%)

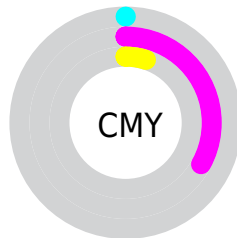


Cyan (0%)

Magenta (33%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 47.270, 331.044 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, 47.270, 331.044 by changing the saturation by 10% instead.

 80, 47.270,
331.044

 80, 47.270,
331.044


 100, 47.270,
331.044


 70, 47.270,
331.044

 60, 47.270,
331.044

 50, 47.270,
331.044

 40, 47.270,
331.044

 30, 47.270,
331.044

 20, 47.270,
331.044


 10, 47.270,


331.044


 0, 47.270, 331.044


 80, 47.270,
331.044


 80, 47.270,
331.044

 75, 60.955,
331.694


 86, 33.015,
330.402

 70, 73.570,
332.347


 92, 18.578,
329.766

 66, 84.502,
333.005

 98, 4.218, 329.091

 62, 93.110,
333.676

100, 0.066,
209.508

 60, 98.884,
334.374

■ 59,101.636,
335.126

■ 58,102.107,
335.696

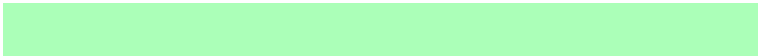
Harmonies

Complementary

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



80, 47.270, 331.044



93, 47.170, 146.458

Rectangle

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



80, 47.270, 331.044



80, 47.270, 21.044



80, 47.270, 151.044



80, 47.270, 201.044

Sweetspot

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



80, 47.267, 331.044



94, 14.320, 329.578



74, 45.828, 299.196



49, 9.778, 329.668



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, 47.267, 331.044



76, 57.025, 331.501



79, 34.848, 356.272



50, 8.139, 329.546



44, 82.458, 335.546



12, 38.483, 334.532

Inverse Universe

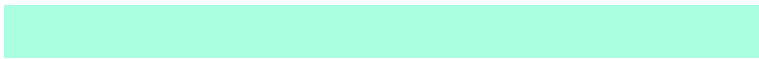
The Inverse Universe completely reimagines the original color for something new.



80, 47.267, 331.044



76, 57.025, 331.501



94, 32.123, 169.249



50, 8.139, 329.546



44, 82.458, 335.546



12, 38.483, 334.532

Previews

White Background



This preview shows how the CIELCh color 80, 47.270, 331.044 looks on a white background.

Color Contrast Check

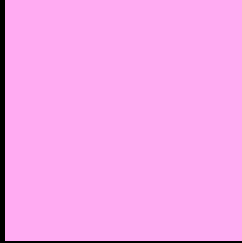
Large Text (above 18pt) WCAG AA × Fail

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, 47.270, 331.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

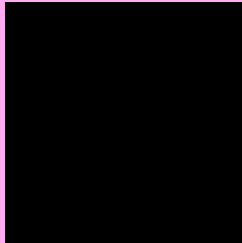
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 47.270, 331.044

Background



This preview shows how black text looks on a background with the CIELCh color 80, 47.270, 331.044.



This preview shows how white text looks on a background with the CIELCh color 80, 47.270, 331.044.

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, 27.170, 6.085

Trichromacy



Original Color
80, 47.270, 331.044



Protanomaly
80, 34.577, 305.171



Deuteranomaly
80, 30.586, 314.191



Tritanomaly
80, 32.458, 348.789

Monochromacy



Original Color
80, 47.270, 331.044



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.589, 329.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 47.270, 331.044 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(255, 171, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 242)  
}
```

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(255, 171, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 47.270, 331.044 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(255, 171, 242) }
```

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

```
.border{ border-color:rgb(255, 171, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 47.270, 331.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 242) }
```

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

```
.background{ background-color: rgb(255,  
171, 242) }
```

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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