

Converting Colors

CIELCh(80, 37.094, 336.711)

Have a look what the booklet for
CIELCh(80, 37.094, 336.711)
contains.

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Color

CIELCh(80, 37.021, 337.078)

Conversions

Conversions Part 1

Format	Color
Hex	F9B0E2
RGB	249, 176, 226
RGB Percent	98%, 69%, 89%
CMY	0.0235, 0.3098, 0.1137
CMYK	0.00, 0.29, 0.09, 0.02
HSL	319°, 86%, 83%
HSV	319°, 29%, 98%
XYZ	68.3195, 56.6813, 79.2912
YIQ	203.5270, 27.4580, 31.0260

Conversions

Conversions Part 2

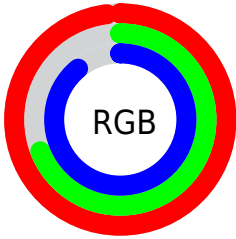
Format	Color
R_{YB}	249, 176, 226
Decimal	16363746
CIE _{Lab}	80.00, 34.10, -14.42
CIE _{LCh}	80, 37.021, 337.078
Yxy	56.6813, 0.3344, 0.2775
Android (android.graphics.Color)	4294553826 (0xFFFF9B0E2)
YUV	203.5270, 11.0792, 39.8798
Hunter-Lab	75.2870, 30.2284, -9.7425

Details

The CIELCh color $80, 37.021, 337.078$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92, 36.581, 152.490$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $60, 36.925, 337.114$ is the 20% darker color. If you saturate the color by 10%, you get $74, 49.378, 337.940$, and if you desaturate by 10%, it is $86, 24.351, 336.278$.

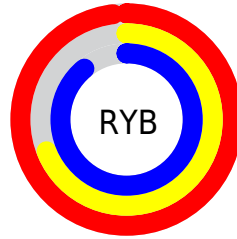
Distribution



Red (98%)

Green (69%)

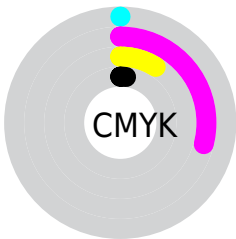
Blue (89%)



Red (98%)

Yellow (69%)

Blue (89%)

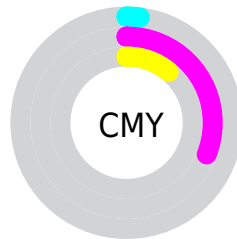


Cyan (0%)

Magenta (29%)

Yellow (9%)

Black (2%)



Cyan (2%)


Magenta (31%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.021, 337.078 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, 37.021, 337.078 by changing the saturation by 10% instead.


 80, 37.021,
337.078


 80, 37.021,
337.078


 100, 37.021,
337.078


 70, 37.021,
337.078

 60, 37.021,
337.078

 50, 37.021,
337.078

 40, 37.021,
337.078


 30, 37.021,
337.078


 20, 37.021,
337.078


 10, 37.021,


337.078


 0, 37.021, 337.078


 80, 37.021,
337.078


 80, 37.021,
337.078

 74, 49.378,
337.940


 86, 24.351,
336.278


 69, 61.011,
338.880


 92, 11.668,
335.518

 65, 71.373,
339.928

 98, 0.839, 155.340

 61, 79.836,
341.126

 100, 2.081,
199.592

 58, 85.812,
342.537

■ 56, 88.947,
344.243

■ 55, 89.486,
346.308

■ 55, 89.489,
346.457

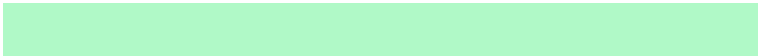
Harmonies

Complementary

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



80, 37.021, 337.078



92, 36.581, 152.490

Rectangle

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



80, 37.021, 337.078



80, 37.021, 27.078



80, 37.021, 157.078



80, 37.021, 207.078

Sweetspot

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



80, 37.018, 337.079



94, 11.490, 335.495



76, 40.154, 303.809



49, 7.994, 335.605



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, 37.018, 337.079



78, 44.964, 337.564



79, 28.823, 6.533



49, 7.142, 335.532



42, 72.899, 346.047



10, 33.835, 343.137

Inverse Universe

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



80, 37.018, 337.079



78, 44.964, 337.564



93, 25.486, 180.507



49, 7.142, 335.532



42, 72.899, 346.047



10, 33.835, 343.137

Previews

White Background



This preview shows how the CIELCh color 80, 37.021, 337.078 looks on a white background.

Color Contrast Check

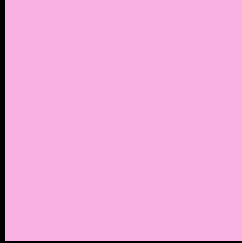
Large Text (above 18pt) WCAG AA × Fail

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, 37.021, 337.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

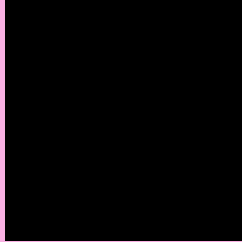
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 37.021, 337.078

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.021, 337.078.



This preview shows how white text looks on a background with the CIELCh color 80, 37.021, 337.078.

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, 37.021, 337.078

Protanopia
80, 22.997, 285.608

Deuteranopia
80, 16.817, 308.527



Tritanopia
80, 24.793, 5.545

Trichromacy



Original Color
80, 37.021, 337.078



Protanomaly
80, 25.814, 309.247



Deuteranomaly
80, 23.382, 323.826

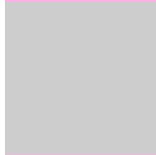


Tritanomaly
80, 27.989, 352.537

Monochromacy



Original Color
80, 37.021, 337.078



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 13.484, 335.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.021, 337.078 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(249, 176, 226)` looks like.

```
.text, #text, p{  
    color:rgb(249, 176, 226)  
}
```

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(249, 176, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 176, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.021, 337.078 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(249, 176, 226) }
```

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

```
.border{ border-color:rgb(249, 176, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 176, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 176, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 176, 226);  
box-shadow:4px 4px 4px 4px rgb(249, 176,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.021, 337.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 176, 226) }
```

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

```
.background{ background-color: rgb(249,  
176, 226) }
```

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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