

Converting Colors

CIELCh(85, 49.603, 354.568)

Have a look what the booklet for
CIELCh(85, 49.603, 354.568)
contains.

CIELCh(80, 38.151, 341.260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 38.151, 341.260)

Conversions

Conversions Part 1

Format	Color
Hex	FEAEDE
RGB	254, 174, 222
RGB Percent	100%, 68%, 87%
CMY	0.0037, 0.3171, 0.1290
CMYK	0.00, 0.31, 0.13, 0.00
HSL	324°, 98%, 84%
HSV	324°, 31%, 100%
XYZ	69.2530, 56.6813, 76.4674
YIQ	203.3920, 32.2720, 31.8880

Conversions

Conversions Part 2

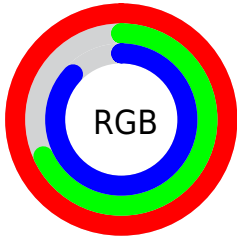
Format	Color
RYB	254, 174, 222
Decimal	16690910
CIELab	80.00, 36.13, -12.26
CIELCh	80, 38.151, 341.260
Yxy	56.6813, 0.3422, 0.2800
Android (android.graphics.Color)	4294880990 (0xFFFEAEDE)
YUV	203.3920, 9.1737, 44.3832
Hunter-Lab	75.2870, 32.4418, -7.5187

Details

The CIELCh color **80, 38.151, 341.260** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **94, 37.315, 155.831**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 15.620, 324.964**, and **60, 38.431, 341.015** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.003, 342.294**, and if you desaturate by 10%, it is **86, 25.968, 340.331**.

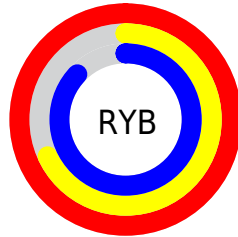
Distribution



Red (100%)

Green (68%)

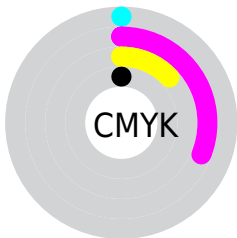
Blue (87%)



Red (100%)

Yellow (68%)

Blue (87%)

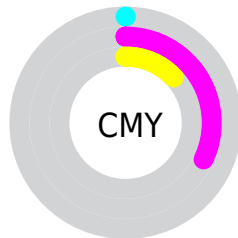


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 38.151, 341.260 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, 38.151, 341.260 by changing the saturation by 10% instead.


 80, 38.151,
341.260


 80, 38.151,
341.260


 100, 38.151,
341.260


 70, 38.151,
341.260

 60, 38.151,
341.260

 50, 38.151,
341.260

 40, 38.151,
341.260


 30, 38.151,
341.260


 20, 38.151,
341.260


 10, 38.151,


341.260


 0, 38.151, 341.260


 80, 38.151,
341.260


 80, 38.151,
341.260

 74, 50.003,
342.294


 86, 25.968,
340.331

 69, 61.097,
343.465


 92, 13.768,
339.475

 65, 70.868,
344.829

 99, 1.744, 338.480

 61, 78.683,
346.462

100, 0.326,
201.418

 58, 83.985,
348.470

■ 56, 86.513,
350.981

■ 55, 86.858,
353.563

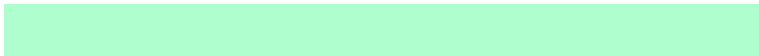
Harmonies

Complementary

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



80, 38.151, 341.260



94, 37.315, 155.831

Rectangle

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



80, 38.151, 341.260



80, 38.151, 31.260



80, 38.151, 161.260



80, 38.151, 211.260

Sweetspot

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



80, 38.148, 341.261



94, 10.819, 339.271



76, 44.347, 306.762



49, 7.528, 339.392



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, 38.148, 341.261



77, 46.098, 341.923



79, 31.285, 13.211



50, 6.838, 339.313



42, 70.364, 352.966



11, 33.153, 348.946

Inverse Universe

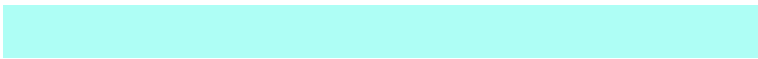
The Inverse Universe completely reimagines the original color for something new.



80, 38.148, 341.261



77, 46.098, 341.923



95, 26.426, 187.231



50, 6.838, 339.313



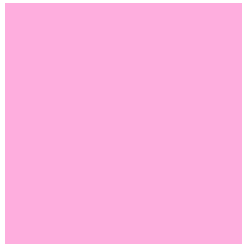
42, 70.364, 352.966



11, 33.153, 348.946

Previews

White Background



This preview shows how the CIELCh color 80, 38.151, 341.260 looks on a white background.

Color Contrast Check

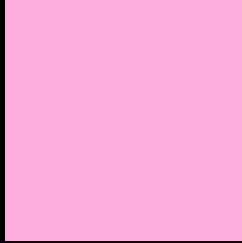
Large Text (above 18pt) WCAG AA × Fail

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, 38.151, 341.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

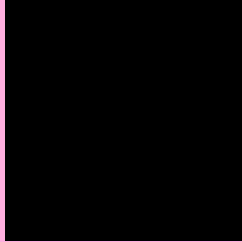
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 38.151, 341.260

Background



This preview shows how black text looks on a background with the CIELCh color 80, 38.151, 341.260.



This preview shows how white text looks on a background with the CIELCh color 80, 38.151, 341.260.

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, 38.179, 341.272

Protanopia
80, 21.386, 285.810

Deuteranopia
80, 15.055, 313.483



Tritanopia
80, 28.317, 6.862

Trichromacy



Original Color
80, 38.179, 341.272



Protanomaly
80, 24.523, 311.891



Deuteranomaly
80, 22.926, 329.161

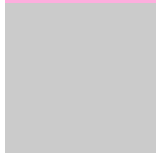


Tritanomaly
80, 31.232, 355.150

Monochromacy



Original Color
80, 38.179, 341.272



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 13.949, 340.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 38.151, 341.260 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(254, 174, 222)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 222)  
}
```

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(254, 174, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 38.151, 341.260 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(254, 174, 222) }
```

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

```
.border{ border-color:rgb(254, 174, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 174, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 222);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 38.151, 341.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 222) }
```

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

```
.background{ background-color: rgb(254,  
174, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor