

Converting Colors

CIELCh(73, 42.158, 342.881)

Have a look what the booklet for
CIELCh(73, 42.158, 342.881)
contains.

CIELCh(73, 41.836, 342.839)	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(73, 41.836, 342.839)

Conversions

Conversions Part 1

Format	Color
Hex	F098CB
RGB	240, 152, 203
RGB Percent	94%, 60%, 80%
CMY	0.0598, 0.4048, 0.2048
CMYK	0.00, 0.37, 0.15, 0.06
HSL	325°, 74%, 77%
HSV	325°, 37%, 94%
XYZ	57.7934, 45.1644, 62.0245
YIQ	184.1260, 36.0770, 34.5170

Conversions

Conversions Part 2

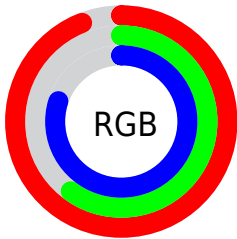
Format	Color
R_{YB}	240, 152, 203
Decimal	15767755
CIE _{Lab}	73.00, 39.97, -12.34
CIE _{LCh}	73, 41.836, 342.839
Yxy	45.1644, 0.3503, 0.2738
Android (android.graphics.Color)	4293957835 (0xFFFF098CB)
YUV	184.1260, 9.3049, 49.0015
Hunter-Lab	67.2044, 35.8958, -7.6770

Details

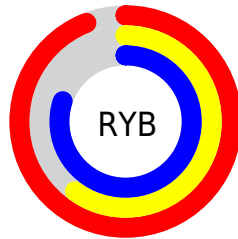
The CIELCh color $73, 41.836, 342.839$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $88, 40.682, 156.185$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 30.096, 325.472$, and $53, 41.845, 342.534$ is the 20% darker color. If you saturate the color by 10%, you get $68, 52.723, 343.982$, and if you desaturate by 10%, it is $79, 30.459, 341.829$.

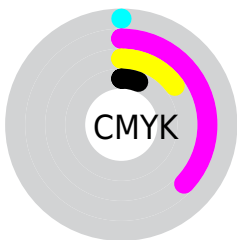
Distribution



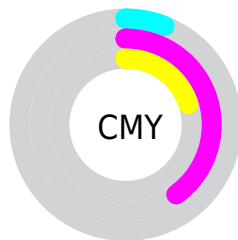
- Red (94%)
- Green (60%)
- Blue (80%)



- Red (94%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (37%)
- Yellow (15%)
- Black (6%)





- Cyan (6%)
- Magenta (40%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 41.836, 342.839 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 73, 41.836, 342.839 by changing the saturation by 10% instead.


 73, 41.836,
342.839


 73, 41.836,
342.839


 100, 41.836,
342.839


 63, 41.836,
342.839


 93, 41.836,
342.839

 53, 41.836,
342.839

 43, 41.836,
342.839

 33, 41.836,
342.839

 23, 41.836,
342.839

 13, 41.836,
342.839

 3, 41.836, 342.839

0, 41.836, 342.839

73, 41.836,
342.839

73, 41.836,
342.839

68, 52.723,
343.982

79, 30.459,
341.829

63, 62.656,
345.303

84, 18.947,
340.916

59, 71.059,
346.875

91, 7.528, 340.057

56, 77.348,
348.795

97, 3.657, 159.477

54, 81.113,
351.193

99, 5.360, 189.132

53, 82.353,
354.201

99, 5.246, 199.199

■ 52, 82.480,
355.292

Harmonies

Complementary

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



73, 41.836, 342.839



88, 40.682, 156.185

Rectangle

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



73, 41.836, 342.839



73, 41.836, 32.839



73, 41.836, 162.839



73, 41.836, 212.839

Sweetspot

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



73, 41.833, 342.840



93, 13.059, 340.429



69, 49.881, 308.203



49, 8.786, 340.545



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 41.833, 342.840



73, 52.407, 343.676



72, 35.333, 16.565



47, 6.406, 340.296



40, 67.708, 354.662



9, 30.366, 349.695

Inverse Universe

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



73, 41.833, 342.840



73, 52.407, 343.676



89, 28.440, 189.782



47, 6.406, 340.296



40, 67.708, 354.662



9, 30.366, 349.695

Previews

White Background



This preview shows how the CIELCh color 73, 41.836, 342.839 looks on a white background.

Color Contrast Check

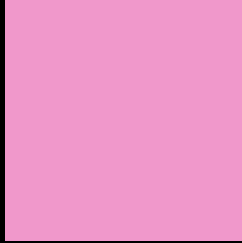
Large Text (above 18pt) WCAG AA × Fail

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 73, 41.836, 342.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

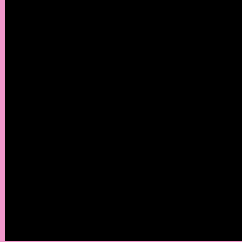
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 41.836, 342.839

Background



This preview shows how black text looks on a background with the CIELCh color 73, 41.836, 342.839.



This preview shows how white text looks on a background with the CIELCh color 73, 41.836, 342.839.

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
73, 41.836, 342.839

Protanopia
73, 22.888, 285.651

Deuteranopia
73, 13.921, 311.025



Tritanopia
73, 31.147, 10.586

Trichromacy



Original Color
73, 41.836, 342.839



Protanomaly
73, 26.882, 312.983



Deuteranomaly
73, 23.131, 330.849



Tritanomaly
73, 33.712, 358.436

Monochromacy



Original Color
73, 41.836, 342.839



Achromatopsia
75, 0.009, 296.813



Achromatomaly
74, 15.753, 340.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 41.836, 342.839 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(240, 152, 203)` looks like.

```
.text, #text, p{  
    color:rgb(240, 152, 203)  
}
```

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(240, 152, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 152, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 41.836, 342.839 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(240, 152, 203) }
```

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

```
.border{ border-color:rgb(240, 152, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 152, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 152, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 152, 203);  
box-shadow:4px 4px 4px 4px rgb(240, 152,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 41.836, 342.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 152, 203) }
```

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

```
.background{ background-color: rgb(240,  
152, 203) }
```

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