

Converting Colors

CIELCh(47, 42.923, 342.680)

Have a look what the booklet for
CIELCh(47, 42.923, 342.680)
contains.

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Color

CIELCh(47, 42.857, 342.781)

Conversions

Conversions Part 1

Format	Color
Hex	A75386
RGB	167, 83, 134
RGB Percent	65%, 33%, 53%
CMY	0.3466, 0.6759, 0.4759
CMYK	0.00, 0.50, 0.20, 0.35
HSL	324°, 34%, 49%
HSV	324°, 50%, 65%
XYZ	23.2021, 16.0195, 24.2959
YIQ	113.9300, 33.6930, 33.6690

Conversions

Conversions Part 2

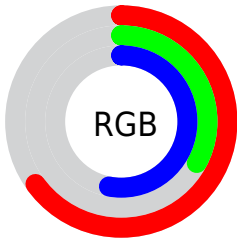
Format	Color
R_{YB}	167, 83, 134
Decimal	10965894
CIE _{Lab}	47.00, 40.94, -12.69
CIE _{LCh}	47, 42.857, 342.781
Yxy	16.0195, 0.3653, 0.2522
Android (android.graphics.Color)	4289155974 (0xFFA75386)
YUV	113.9300, 9.8945, 46.5424
Hunter-Lab	40.0243, 33.4341, -7.9736

Details

The CIELCh color $47, 42.857, 342.781$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $62, 41.830, 153.365$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.915, 342.906$, and $27, 42.652, 343.264$ is the 20% darker color. If you saturate the color by 10%, you get $44, 50.093, 344.032$, and if you desaturate by 10%, it is $51, 34.796, 341.693$.

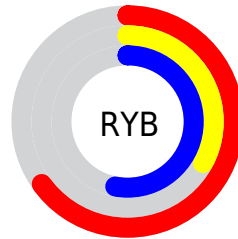
Distribution



Red (65%)

Green (33%)

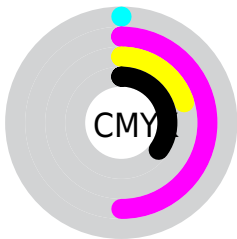
Blue (53%)



Red (65%)

Yellow (33%)

Blue (53%)

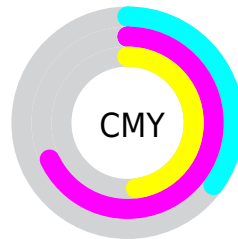


Cyan (0%)

Magenta (50%)

Yellow (20%)

Black (35%)



Cyan (35%)


Magenta (68%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 42.857, 342.781 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 47, 42.857, 342.781 by changing the saturation by 10% instead.


 47, 42.857,
342.781


 47, 42.857,
342.781


 100, 42.857,
342.781


 37, 42.857,
342.781

 67, 42.857,
342.781


 27, 42.857,
342.781

 77, 42.857,
342.781

 17, 42.857,
342.781

 87, 42.857,
342.781

 7, 42.857, 342.781

 97, 42.857,
342.781

 0, 42.857, 342.781

 47, 42.857,

 47, 42.857,

342.781

44, 50.093,
344.032

41, 56.091,
345.507

39, 60.443,
347.293

37, 62.892,
349.501

36, 63.847,
352.014

342.781

51, 34.796,
341.693

55, 26.280,
340.724

59, 17.582,
339.843

64, 8.894, 339.025

68, 0.338, 337.370

73, 8.012, 157.676

78, 16.119,
157.017

82, 23.968,
156.415

87, 31.560,

Harmonies

Complementary

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



47, 42.857, 342.781



62, 41.830, 153.365

Rectangle

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



47, 42.857, 342.781



47, 42.857, 32.781



47, 42.857, 162.781



47, 42.857, 212.781

Sweetspot

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



47, 42.855, 342.782



78, 15.966, 339.419



42, 51.503, 308.032



40, 10.996, 339.585



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



47, 42.855, 342.782



56, 61.504, 344.128



46, 36.996, 16.449



33, 4.878, 338.936



32, 58.600, 351.692



2, 8.349, 342.089

Inverse Universe

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



47, 42.855, 342.782



56, 61.504, 344.128



63, 28.058, 185.660



33, 4.878, 338.936



32, 58.600, 351.692



2, 8.349, 342.089

Previews

White Background



This preview shows how the CIELCh color 47, 42.857, 342.781 looks on a white background.

Color Contrast Check

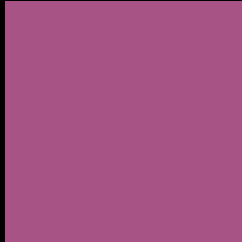
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 42.857, 342.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

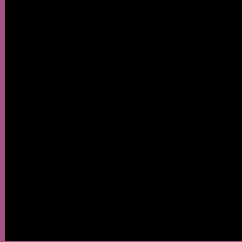
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 42.857, 342.781

Background



This preview shows how black text looks on a background with the CIELCh color 47, 42.857, 342.781.

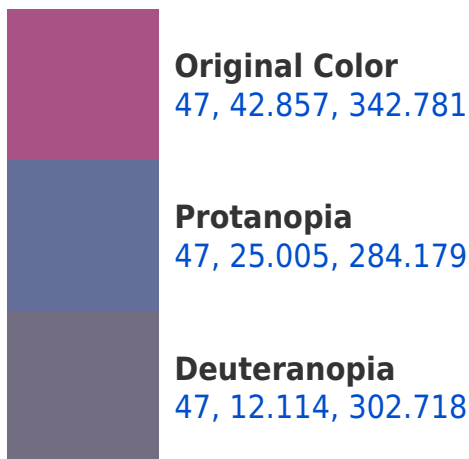


This preview shows how white text looks on a background with the CIELCh color 47, 42.857, 342.781.

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
47, 32.028, 16.856

Trichromacy



Original Color
47, 42.857, 342.781

Protanomaly
47, 28.105, 310.894

Deuteranomaly
46, 23.339, 328.287

Tritanomaly
47, 34.322, 2.006

Monochromacy



Original Color
47, 42.857, 342.781

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 16.111, 340.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 42.857, 342.781 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(167, 83, 134)` looks like.

```
.text, #text, p{  
    color:rgb(167, 83, 134)  
}
```

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(167, 83, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 83, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 42.857, 342.781 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(167, 83, 134) }
```

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

```
.border{ border-color:rgb(167, 83, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 83, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 83, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 83, 134);  
box-shadow:4px 4px 4px 4px rgb(167, 83,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 42.857, 342.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 83, 134) }
```

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

```
.background{ background-color: rgb(167, 83,  
134) }
```

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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