

Converting Colors

CIELCh(47, 15.099, 345.189)

Have a look what the booklet for
CIELCh(47, 15.099, 345.189)
contains.

CIELCh(47, 15.090, 345.569)	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(47, 15.090, 345.569)

Conversions

Conversions Part 1

Format	Color
Hex	856776
RGB	133, 103, 118
RGB Percent	52%, 40%, 46%
CMY	0.4781, 0.5958, 0.5369
CMYK	0.00, 0.23, 0.11, 0.48
HSL	330°, 13%, 46%
HSV	330°, 23%, 52%
XYZ	17.8189, 16.0195, 19.3176
YIQ	113.6800, 13.0650, 11.0250

Conversions

Conversions Part 2

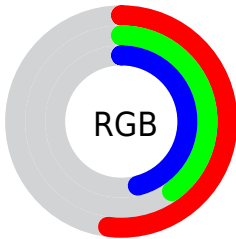
Format	Color
R_{YB}	133, 103, 118
Decimal	8742774
CIE _{Lab}	47.00, 14.61, -3.76
CIE _{LCh}	47, 15.090, 345.569
Yxy	16.0195, 0.3352, 0.3014
Android (android.graphics.Color)	4286932854 (0xFF856776)
YUV	113.6800, 2.1298, 16.9436
Hunter-Lab	40.0243, 9.4260, -0.5991

Details

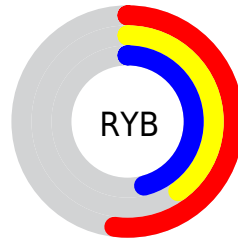
The CIELCh color $[47, 15.090, 345.569]$ is a dark color, and the websafe version is hex $\#996666$. A complement of this color would be $[53, 14.684, 161.737]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 15.072, 345.107]$, and $[27, 14.993, 345.361]$ is the 20% darker color. If you saturate the color by 10%, you get $[43, 21.891, 346.601]$, and if you desaturate by 10%, it is $[51, 8.316, 344.642]$.

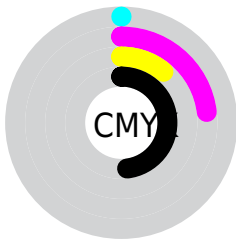
Distribution



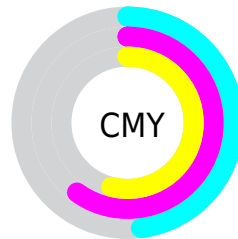
- Red (52%)
- Green (40%)
- Blue (46%)



- Red (52%)
- Yellow (40%)
- Blue (46%)



- Cyan (0%)
- Magenta (23%)
- Yellow (11%)
- Black (48%)





- Cyan (48%)
- Magenta (60%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.090, 345.569 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, 15.090, 345.569 by changing the saturation by 10% instead.


 47, 15.090,
345.569


 47, 15.090,
345.569


 100, 15.090,
345.569


 37, 15.090,
345.569

 67, 15.090,
345.569


 27, 15.090,
345.569

 77, 15.090,
345.569

 17, 15.090,
345.569


 87, 15.090,
345.569

 7, 15.090, 345.569

 97, 15.090,
345.569

 0, 15.090, 345.569

 47, 15.090,

 47, 15.090,

345.569

43, 21.891,
346.601

40, 28.576,
347.770

37, 34.930,
349.128

34, 40.672,
350.743

32, 45.477,
352.711

30, 49.045,
355.158

29, 51.207,
358.231

28, 52.413, 0.743

345.569

51, 8.316, 344.642

55, 1.668, 343.673

58, 4.800, 163.164

62, 11.063,
162.438

66, 17.112,
161.791

70, 22.949,
161.195

74, 28.582,
160.643

78, 34.024,
160.129

82, 39.289,

159.650

Harmonies

Complementary

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



47, 15.090, 345.569



53, 14.684, 161.737

Rectangle

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



47, 15.090, 345.569



47, 15.090, 35.569



47, 15.090, 165.569



47, 15.090, 215.569

Sweetspot

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



47, 15.088, 345.571



68, 5.725, 344.160



46, 18.829, 310.091



35, 3.706, 344.201



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 15.088, 345.571



58, 22.505, 346.078



47, 12.866, 21.000



26, 3.713, 344.337



27, 51.558, 0.641



0, 0.880, 343.650

Inverse Universe

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



47, 15.088, 345.571



58, 22.505, 346.078



53, 11.143, 198.310



26, 3.713, 344.337



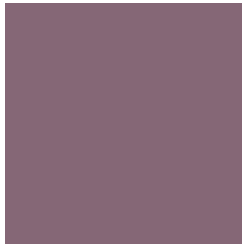
27, 51.558, 0.641



0, 0.880, 343.650

Previews

White Background



This preview shows how the CIELCh color 47, 15.090, 345.569 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, 15.090, 345.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

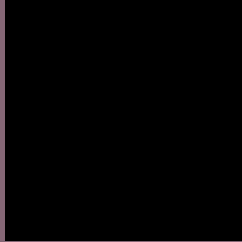
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 15.090, 345.569

Background



This preview shows how black text looks on a background with the CIELCh color 47, 15.090, 345.569.



This preview shows how white text looks on a background with the CIELCh color 47, 15.090, 345.569.

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

47, 15.090, 345.569

Protanopia

47, 7.109, 288.011

Deuteranopia

47, 7.238, 332.929



Tritanopia
47, 12.550, 359.041

Trichromacy



Original Color
47, 15.090, 345.569

Protanomaly
47, 8.714, 318.310

Deuteranomaly
47, 10.122, 340.753

Tritanomaly
47, 12.973, 354.146

Monochromacy



Original Color
47, 15.090, 345.569

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.389, 346.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 15.090, 345.569 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(133, 103, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 118)  
}
```

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(133, 103, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 15.090, 345.569 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(133, 103, 118) }
```

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

```
.border{ border-color:rgb(133, 103, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 15.090, 345.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 118) }
```

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

```
.background{ background-color: rgb(133,  
103, 118) }
```

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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