

Converting Colors

CIELCh(46, 12.831, 331.938)

Have a look what the booklet for
CIELCh(46, 12.831, 331.938)
contains.

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Color

CIELCh(46, 12.750, 332.937)

Conversions

Conversions Part 1

Format	Color
Hex	7C6777
RGB	124, 103, 119
RGB Percent	49%, 40%, 47%
CMY	0.5144, 0.5967, 0.5340
CMYK	0.00, 0.17, 0.04, 0.51
HSL	314°, 9%, 44%
HSV	314°, 17%, 49%
XYZ	16.4418, 15.2687, 19.4810
YIQ	111.1030, 7.3800, 9.4280

Conversions

Conversions Part 2

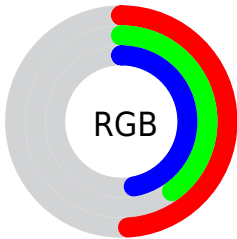
Format	Color
R_{YB}	124, 103, 119
Decimal	8152951
CIE Lab	46.00, 11.35, -5.80
CIE LCh	46, 12.750, 332.937
Yxy	15.2687, 0.3212, 0.2983
Android (android.graphics.Color)	4286343031 (0xFF7C6777)
YUV	111.1030, 3.8932, 11.3107
Hunter-Lab	39.0751, 6.7267, -2.2066

Details

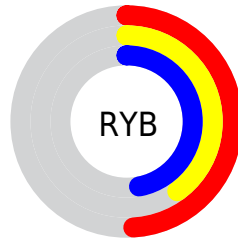
The CIELCh color $46, 12.750, 332.937$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 12.688, 150.773$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.852, 333.577$, and $26, 12.865, 332.351$ is the 20% darker color. If you saturate the color by 10%, you get $43, 20.316, 333.607$, and if you desaturate by 10%, it is $49, 5.197, 332.279$.

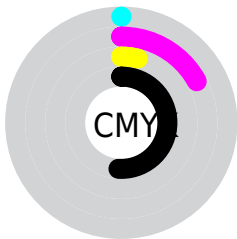
Distribution



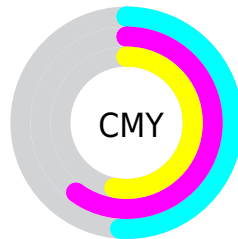
- Red (49%)
- Green (40%)
- Blue (47%)



- Red (49%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (51%)




- Cyan (51%)
- Magenta (60%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.750, 332.937 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 46, 12.750, 332.937 by changing the saturation by 10% instead.


 46, 12.750,
332.937


 46, 12.750,
332.937


 100, 12.750,
332.937


 36, 12.750,
332.937

 66, 12.750,
332.937


 26, 12.750,
332.937

 76, 12.750,
332.937

 16, 12.750,
332.937


 86, 12.750,
332.937

 6, 12.750, 332.937

 96, 12.750,
332.937

 0, 12.750, 332.937

 46, 12.750,

 46, 12.750,

332.937

43, 20.316,
333.607

39, 27.762,
334.303

36, 34.892,
335.032

34, 41.448,
335.803

31, 47.123,
336.628

30, 51.593,
337.533

28, 54.596,
338.552

27, 56.237,
339.699

332.937

49, 5.197, 332.279

53, 2.248, 151.817

57, 9.531, 151.165

60, 16.622,
150.607

64, 23.508,
150.084

68, 30.186,
149.590

71, 36.662,
149.124

75, 42.943,
148.685

79, 49.041,

■ 27, 56.705,
340.047

148.270

Harmonies

Complementary

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



46, 12.750, 332.937



50, 12.688, 150.773

Rectangle

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



46, 12.750, 332.937



46, 12.750, 22.937



46, 12.750, 152.937



46, 12.750, 202.937

Sweetspot

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



46, 12.748, 332.938



64, 4.619, 332.150



45, 12.745, 300.415



33, 3.177, 332.192



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 12.748, 332.938



57, 18.635, 333.171



46, 9.365, 359.903



24, 4.176, 332.420



27, 57.063, 340.061



57, 95.215, 340.871

Inverse Universe

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



46, 12.748, 332.938



57, 18.635, 333.171



50, 8.887, 176.828



24, 4.176, 332.420



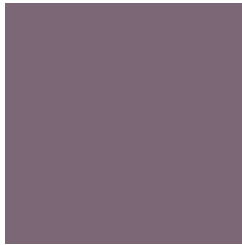
27, 57.063, 340.061



57, 95.215, 340.871

Previews

White Background



This preview shows how the CIELCh color 46, 12.750, 332.937 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 CIELCh color 46, 12.750, 332.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

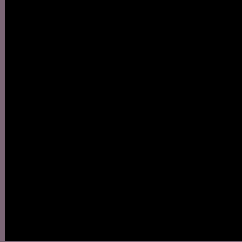
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.750, 332.937

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.750, 332.937.



This preview shows how white text looks on a background with the CIELCh color 46, 12.750, 332.937.

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

46, 12.750, 332.937

Protanopia

46, 8.330, 288.664

Deuteranopia

46, 8.034, 317.691



Tritanopia
46, 9.165, 349.467

Trichromacy



Original Color
46, 12.750, 332.937

Protanomaly
46, 9.387, 308.443

Deuteranomaly
46, 9.368, 324.998

Tritanomaly
46, 9.798, 343.467

Monochromacy



Original Color
46, 12.750, 332.937

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.844, 332.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.750, 332.937 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(124, 103, 119)` looks like.

```
.text, #text, p{  
    color:rgb(124, 103, 119)  
}
```

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(124, 103, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 103, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.750, 332.937 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(124, 103, 119) }
```

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

```
.border{ border-color:rgb(124, 103, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 103, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 103, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 103, 119);  
box-shadow:4px 4px 4px 4px rgb(124, 103,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.750, 332.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 103, 119) }
```

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

```
.background{ background-color: rgb(124,  
103, 119) }
```

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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