

Converting Colors

CIELCh(46, 41.807, 10.035)

Have a look what the booklet for
CIELCh(46, 41.807, 10.035) contains.

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Color

CIELCh(46, 41.900, 9.819)

Conversions

Conversions Part 1

Format	Color
Hex	AE4E63
RGB	174, 78, 99
RGB Percent	68%, 31%, 39%
CMY	0.3189, 0.6952, 0.6128
CMYK	0.00, 0.55, 0.43, 0.32
HSL	347°, 38%, 49%
HSV	347°, 55%, 68%
XYZ	22.3311, 15.2687, 13.5090
YIQ	109.0980, 50.4750, 26.8830

Conversions

Conversions Part 2

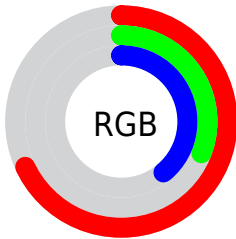
Format	Color
R_{YB}	174, 78, 99
Decimal	11423331
CIE _{Lab}	46.00, 41.29, 7.15
CIE _{LCh}	46, 41.900, 9.819
Yxy	15.2687, 0.4369, 0.2987
Android (android.graphics.Color)	4289613411 (0xFFAE4E63)
YUV	109.0980, -4.9783, 56.9191
Hunter-Lab	39.0751, 33.6298, 6.8550

Details

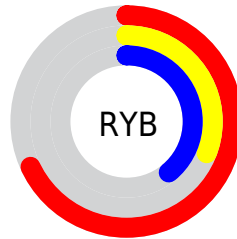
The CIELCh color **46, 41.900, 9.819** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 33.548, 176.153**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 42.218, 9.486**, and **26, 42.093, 9.660** is the 20% darker color. If you saturate the color by 10%, you get **43, 49.266, 12.556**, and if you desaturate by 10%, it is **50, 34.119, 7.649**.

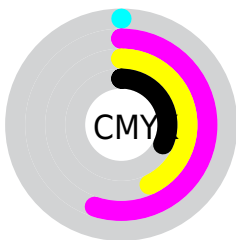
Distribution



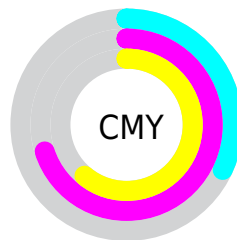
- Red (68%)
- Green (31%)
- Blue (39%)



- Red (68%)
- Yellow (31%)
- Blue (39%)



- Cyan (0%)
- Magenta (55%)
- Yellow (43%)
- Black (32%)











- Cyan (32%)
- Magenta (70%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 41.900, 9.819 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, 41.900, 9.819 by changing the saturation by 10% instead.

 46, 41.900, 9.819	 46, 41.900, 9.819
 100, 41.900, 9.819	 36, 41.900, 9.819
 66, 41.900, 9.819	 26, 41.900, 9.819
 76, 41.900, 9.819	 16, 41.900, 9.819
 86, 41.900, 9.819	 6, 41.900, 9.819
 96, 41.900, 9.819	 0, 41.900, 9.819

 46, 41.900, 9.819	 46, 41.900, 9.819
 43, 49.266, 12.556	 50, 34.119, 7.649
 40, 55.918, 16.006	 54, 26.221, 5.902
 38, 61.643, 20.285	 59, 18.426, 4.468

■ 37, 66.449, 25.344

■ 64, 10.878, 3.261

■ 36, 68.686, 27.721

■ 68, 3.653, 2.169

■ 73, 3.215, 181.563

■ 78, 9.725, 180.706

■ 83, 15.892,
180.012

■ 88, 21.741,
179.400

Harmonies

Complementary

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



46, 41.900, 9.819



65, 33.548, 176.153

Rectangle

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



46, 41.900, 9.819



46, 41.900, 59.819



46, 41.900, 189.819



46, 41.900, 239.819

Sweetspot

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



46, 41.897, 9.821



80, 15.148, 3.495



46, 60.214, 320.028



41, 10.261, 3.723



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 41.897, 9.821



55, 61.808, 13.161



51, 36.783, 45.898



34, 3.975, 2.615



31, 61.452, 27.011



2, 8.087, 4.895

Inverse Universe

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



46, 41.897, 9.821



55, 61.808, 13.161



58, 24.948, 233.912



34, 3.975, 2.615



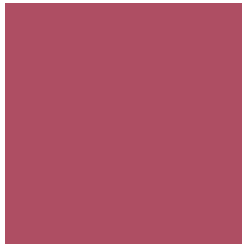
31, 61.452, 27.011



2, 8.087, 4.895

Previews

White Background



This preview shows how the CIELCh color 46, 41.900, 9.819 looks on a white background.

Color Contrast Check

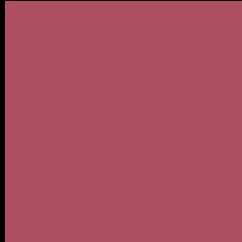
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 41.900, 9.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

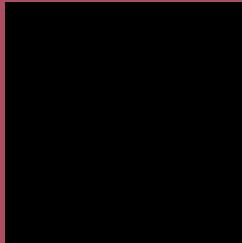
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 41.900, 9.819

Background



This preview shows how black text looks on a background with the CIELCh color 46, 41.900, 9.819.



This preview shows how white text looks on a background with the CIELCh color 46, 41.900, 9.819.

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, 41.900, 9.819

Protanopia

46, 4.185, 296.224

Deuteranopia

46, 11.344, 55.014



Tritanopia
46, 41.378, 21.145

Trichromacy



Original Color
46, 41.900, 9.819

Protanomaly
45, 16.193, 355.697

Deuteranomaly
45, 21.087, 20.664

Tritanomaly
46, 41.302, 16.563

Monochromacy



Original Color
46, 41.900, 9.819

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 15.383, 5.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 41.900, 9.819 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(174, 78, 99)` looks like.

```
.text, #text, p{  
    color:rgb(174, 78, 99)  
}
```

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(174, 78, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 78, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 41.900, 9.819 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(174, 78, 99) }
```

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

```
.border{ border-color:rgb(174, 78, 99) }
```

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

Here you see how a box with a 4 pixel rgb(174, 78, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 78, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 78, 99);  
box-shadow:4px 4px 4px 4px rgb(174, 78,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 41.900, 9.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 78, 99) }
```

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

```
.background{ background-color: rgb(174, 78,  
99) }
```

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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