

Converting Colors

CIELCh(49, 30.009, 358.241)

Have a look what the booklet for
CIELCh(49, 30.009, 358.241)
contains.

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Color

CIELCh(49, 29.705, 358.403)

Conversions

Conversions Part 1

Format	Color
Hex	A36177
RGB	163, 97, 119
RGB Percent	64%, 38%, 47%
CMY	0.3618, 0.6205, 0.5342
CMYK	0.00, 0.41, 0.27, 0.36
HSL	340°, 26%, 51%
HSV	340°, 41%, 64%
XYZ	22.6230, 17.5941, 19.5846
YIQ	119.2420, 32.2740, 20.8340

Conversions

Conversions Part 2

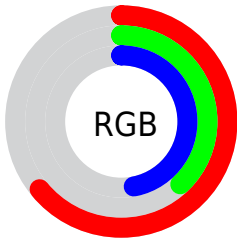
Format	Color
R_{YB}	163, 97, 119
Decimal	10707319
CIE Lab	49.00, 29.69, -0.83
CIE LCh	49, 29.705, 358.403
Yxy	17.5941, 0.3783, 0.2942
Android (android.graphics.Color)	4288897399 (0xFFA36177)
YUV	119.2420, -0.1193, 38.3758
Hunter-Lab	41.9453, 22.8688, 1.6787

Details

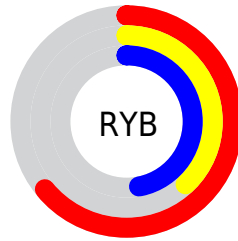
The CIELCh color $49, 29.705, 358.403$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $62, 26.757, 169.565$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 29.422, 358.558$, and $29, 29.862, 357.692$ is the 20% darker color. If you saturate the color by 10%, you get $45, 37.042, 0.166$, and if you desaturate by 10%, it is $53, 22.194, 356.944$.

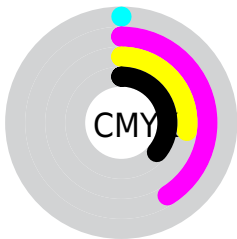
Distribution



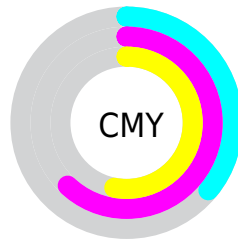
- Red (64%)
- Green (38%)
- Blue (47%)



- Red (64%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (41%)
- Yellow (27%)
- Black (36%)



- Cyan (36%)
- Magenta (62%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.705, 358.403 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 49, 29.705, 358.403 by changing the saturation by 10% instead.


 49, 29.705,
358.403

 49, 29.705,
358.403

 100, 29.705,
358.403

 39, 29.705,
358.403

 69, 29.705,
358.403

 29, 29.705,
358.403

 79, 29.705,
358.403

 19, 29.705,
358.403

 89, 29.705,
358.403

 9, 29.705, 358.403

 99, 29.705,
358.403

 0, 29.705, 358.403

 49, 29.705,

 49, 29.705,

358.403

358.403

45, 37.042, 0.166

53, 22.194,
356.944

42, 43.926, 2.336

58, 14.724,
355.702

39, 50.017, 5.056

37, 55.008, 8.493

62, 7.426, 354.614

35, 58.761, 12.795

67, 0.375, 352.671

34, 61.619, 17.447

71, 6.394, 172.973

76, 12.873,
172.200

81, 19.067,
171.519

86, 24.994,
170.902

90, 30.673,

Harmonies

Complementary

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



49, 29.705, 358.403



62, 26.757, 169.565

Rectangle

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



49, 29.705, 358.403



49, 29.705, 48.403



49, 29.705, 178.403



49, 29.705, 228.403

Sweetspot

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



49, 29.703, 358.405



78, 10.506, 354.790



48, 41.586, 315.851



41, 7.040, 354.919



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 29.703, 358.405



59, 44.492, 0.046



51, 25.814, 34.884



32, 3.987, 354.481



30, 56.590, 16.861



1, 5.997, 355.817

Inverse Universe

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



49, 29.703, 358.405



59, 44.492, 0.046



60, 19.221, 214.915



32, 3.987, 354.481



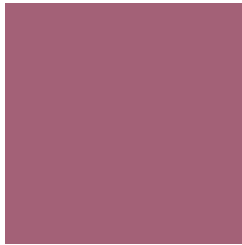
30, 56.590, 16.861



1, 5.997, 355.817

Previews

White Background



This preview shows how the CIELCh color 49, 29.705, 358.403 looks on a white background.

Color Contrast Check

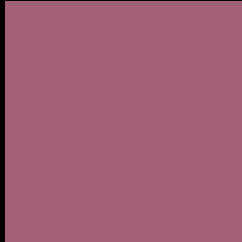
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 29.705, 358.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

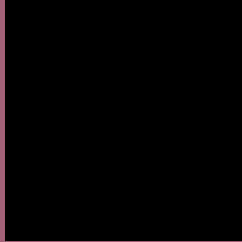
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.705, 358.403

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.705, 358.403.



This preview shows how white text looks on a background with the CIELCh color 49, 29.705, 358.403.

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

49, 29.705, 358.403

Protanopia

49, 8.225, 288.586

Deuteranopia

49, 6.410, 4.263



Tritanopia
49, 27.266, 14.646

Trichromacy



Original Color
49, 29.705, 358.403

Protanomaly
49, 13.591, 333.855

Deuteranomaly
49, 15.190, 358.811

Tritanomaly
49, 27.872, 7.754

Monochromacy



Original Color
49, 29.705, 358.403

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.886, 355.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.705, 358.403 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(163, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 97, 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(163, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 97, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.705, 358.403 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(163, 97, 119) }
```

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

```
.border{ border-color:rgb(163, 97, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 97, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(163, 97,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.705, 358.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 97, 119) }
```

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

```
.background{ background-color: rgb(163, 97,  
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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