

Converting Colors

CIELCh(49, 28.276, 0.699)

Have a look what the booklet for
CIELCh(49, 28.276, 0.699) contains.

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Color

CIELCh(49, 28.090, 0.430)

Conversions

Conversions Part 1

Format	Color
Hex	A16275
RGB	161, 98, 117
RGB Percent	63%, 38%, 46%
CMY	0.3687, 0.6157, 0.5412
CMYK	0.00, 0.39, 0.27, 0.37
HSL	342°, 25%, 51%
HSV	342°, 39%, 63%
XYZ	22.2734, 17.5941, 19.0490
YIQ	119.0030, 31.4490, 19.2650

Conversions

Conversions Part 2

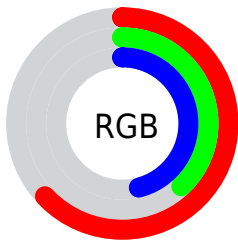
Format	Color
R_{YB}	161, 98, 117
Decimal	10576501
CIE _{Lab}	49.00, 28.09, 0.21
CIE _{LCh}	49, 28.090, 0.430
Yxy	17.5941, 0.3781, 0.2986
Android (android.graphics.Color)	4288766581 (0xFFA16275)
YUV	119.0030, -0.9875, 36.8314
Hunter-Lab	41.9453, 21.3813, 2.4357

Details

The CIELCh color **49, 28.090, 0.430** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **62, 25.055, 171.922**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 27.857, 0.575**, and **29, 28.071, 0.803** is the 20% darker color. If you saturate the color by 10%, you get **45, 35.407, 2.201**, and if you desaturate by 10%, it is **53, 20.678, 358.968**.

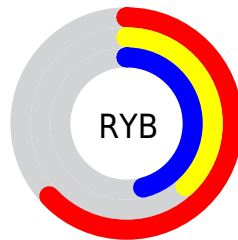
Distribution



Red (63%)

Green (38%)

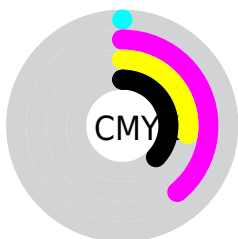
Blue (46%)



Red (63%)

Yellow (38%)

Blue (46%)

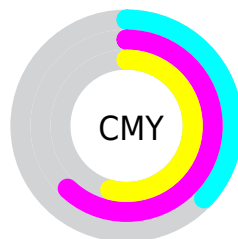


Cyan (0%)

Magenta (39%)

Yellow (27%)

Black (37%)



Cyan (37%)











Magenta (62%)








Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.090, 0.430 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, 28.090, 0.430 by changing the saturation by 10% instead.

 49, 28.090, 0.430	 49, 28.090, 0.430
 100, 28.090, 0.430	 39, 28.090, 0.430
 69, 28.090, 0.430	 29, 28.090, 0.430
 79, 28.090, 0.430	 19, 28.090, 0.430
 89, 28.090, 0.430	 9, 28.090, 0.430
 99, 28.090, 0.430	 0, 28.090, 0.430

 49, 28.090, 0.430	 49, 28.090, 0.430
 45, 35.407, 2.201	 53, 20.678, 358.968
 42, 42.373, 4.385	
 39, 48.669, 7.123	 58, 13.363, 357.728

36, 53.994, 10.580

62, 6.257, 356.637

35, 58.192, 14.897

67, 0.579, 176.481

34, 61.599, 19.896

71, 7.119, 175.021

34, 61.914, 20.317

76, 13.361,
174.264

81, 19.318,
173.596

85, 25.006,
172.992

90, 30.449,
172.441

Harmonies

Complementary

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



49, 28.090, 0.430



62, 25.055, 171.922

Rectangle

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



49, 28.090, 0.430



49, 28.090, 50.430



49, 28.090, 180.430



49, 28.090, 230.430

Sweetspot

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



49, 28.088, 0.432



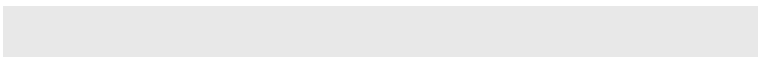
77, 10.237, 356.964



48, 39.999, 316.847



40, 6.792, 357.092



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 28.088, 0.432



59, 41.907, 1.961



51, 24.012, 37.822



32, 3.921, 356.652



30, 57.294, 19.775



1, 5.906, 357.843

Inverse Universe

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



49, 28.088, 0.432



59, 41.907, 1.961



59, 18.167, 219.285



32, 3.921, 356.652



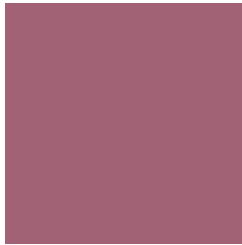
30, 57.294, 19.775



1, 5.906, 357.843

Previews

White Background



This preview shows how the CIELCh color 49, 28.090, 0.430 looks on a white background.

Color Contrast Check

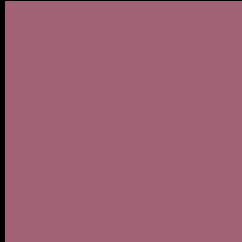
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.090, 0.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

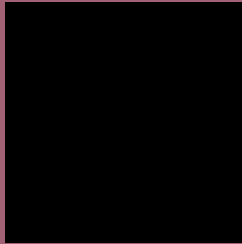
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.090, 0.430

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.090, 0.430.



This preview shows how white text looks on a background with the CIELCh color 49, 28.090, 0.430.

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, 28.090, 0.430

Protanopia

49, 7.049, 291.108

Deuteranopia

49, 6.646, 15.107



Tritanopia
49, 25.935, 13.988

Trichromacy



Original Color
49, 28.090, 0.430

Protanomaly
49, 12.785, 337.499

Deuteranomaly
49, 14.309, 4.689

Tritanomaly
49, 26.541, 7.998

Monochromacy



Original Color
49, 28.090, 0.430

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.291, 357.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.090, 0.430 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(161, 98, 117)` looks like.

```
.text, #text, p{  
    color:rgb(161, 98, 117)  
}
```

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(161, 98, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 98, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.090, 0.430 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(161, 98, 117) }
```

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

```
.border{ border-color:rgb(161, 98, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 98, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 98, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 98, 117); box-shadow:4px 4px 4px 4px rgb(161, 98, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.090, 0.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 98, 117) }
```

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

```
.background{ background-color: rgb(161, 98,  
117) }
```

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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