

Converting Colors

CIELCh(49, 29.310, 48.605)

Have a look what the booklet for
CIELCh(49, 29.310, 48.605) contains.

CIELCh(49, 29.376, 48.599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 29.376, 48.599)

Conversions

Conversions Part 1

Format	Color
Hex	9E6750
RGB	158, 103, 80
RGB Percent	62%, 40%, 31%
CMY	0.3798, 0.5955, 0.6858
CMYK	0.00, 0.35, 0.49, 0.38
HSL	18°, 33%, 47%
HSV	18°, 49%, 62%
XYZ	20.4480, 17.5941, 9.9332
YIQ	116.8230, 40.1630, 4.5070

Conversions

Conversions Part 2

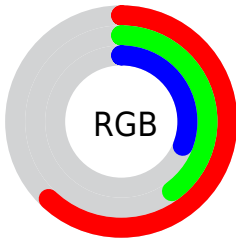
Format	Color
R_{YB}	158, 113, 80
Decimal	10381136
CIE _{Lab}	49.00, 19.43, 22.03
CIE _{LCh}	49, 29.376, 48.599
Yxy	17.5941, 0.4262, 0.3667
Android (android.graphics.Color)	4288571216 (0xFF9E6750)
YUV	116.8230, -18.1537, 36.1122
Hunter-Lab	41.9453, 13.6133, 15.3210




Details

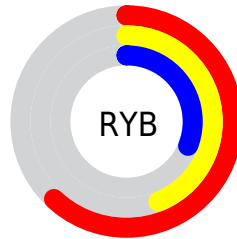
The CIELCh color **49, 29.376, 48.599** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **54, 21.354, 236.923**, and the grayscale version is **49, 0.007, 296.813**.




A 20% lighter version of the original color is **69, 29.655, 48.397**, and **29, 29.556, 47.975** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.645, 48.446**, and if you desaturate by 10%, it is **52, 22.544, 48.883**.

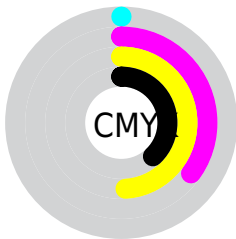
Distribution







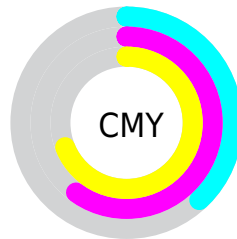
-  Red (62%)
-  Green (40%)
-  Blue (31%)






-  Red (62%)
-  Yellow (44%)
-  Blue (31%)



-  Cyan (0%)
-  Magenta (35%)
-  Yellow (49%)
-  Black (38%)



-  Cyan (38%)
-  Magenta (60%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.376, 48.599 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, 29.376, 48.599 by changing the saturation by 10% instead.

■ 49, 29.376, 48.599

■ 49, 29.376, 48.599

■ 100, 29.376,
48.599

■ 39, 29.376, 48.599

■ 69, 29.376, 48.599

■ 29, 29.376, 48.599

■ 79, 29.376, 48.599

■ 19, 29.376, 48.599

■ 89, 29.376, 48.599

■ 9, 29.376, 48.599

■ 99, 29.376, 48.599

■ 0, 29.376, 48.599

■ 49, 29.376, 48.599

■ 49, 29.376, 48.599

■ 46, 36.645, 48.446

■ 52, 22.544, 48.883

■ 43, 44.258, 48.390

■ 55, 16.177, 49.272

41, 51.969, 48.346

59, 10.263, 49.749

39, 59.229, 48.065

62, 4.772, 50.266

37, 65.590, 47.557

65, 0.333, 232.256

37, 66.049, 47.581

69, 5.092, 231.710

72, 9.544, 232.347

76, 13.727,
233.018

79, 17.672,
233.698

Harmonies

Complementary

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



49, 29.376, 48.599



54, 21.354, 236.923

Rectangle

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



49, 29.376, 48.599



49, 29.376, 98.599



49, 29.376, 228.599



49, 29.376, 278.599

Sweetspot

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



49, 29.375, 48.604



77, 9.747, 49.957



45, 43.202, 337.269



40, 6.753, 49.854



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, 29.375, 48.604



59, 45.420, 48.438



59, 34.779, 93.533



32, 2.889, 50.270



33, 60.992, 47.792



2, 3.678, 49.044

Inverse Universe

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



54, 21.354, 236.923



66, 30.319, 239.416



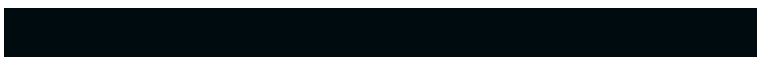
42, 36.948, 287.457



32, 2.752, 231.677



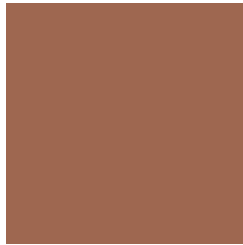
40, 31.262, 254.021



2, 3.663, 235.338

Previews

White Background



This preview shows how the CIELCh color 49, 29.376, 48.599 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, 29.376, 48.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

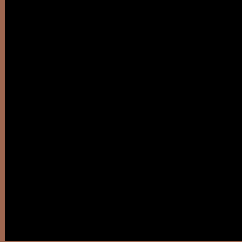
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.376, 48.599

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.376, 48.599.



This preview shows how white text looks on a background with the CIELCh color 49, 29.376, 48.599.

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, 29.376, 48.599

Protanopia

49, 18.372, 96.583

Deuteranopia

49, 23.894, 74.854



Tritanopia
49, 25.935, 13.988

Trichromacy



Original Color
49, 29.376, 48.599

Protanomaly
49, 20.087, 73.619

Deuteranomaly
49, 25.217, 63.770

Tritanomaly
49, 25.868, 27.702

Monochromacy



Original Color
49, 29.376, 48.599

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.793, 48.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.376, 48.599 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(158, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(158, 103, 80)  
}
```

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(158, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 103, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.376, 48.599 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(158, 103, 80) }
```

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

```
.border{ border-color:rgb(158, 103, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 103, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(158, 103,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.376, 48.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 103, 80) }
```

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

```
.background{ background-color: rgb(158,  
103, 80) }
```

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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