

Converting Colors

CIELCh(49, 29.608, 46.124)

Have a look what the booklet for
CIELCh(49, 29.608, 46.124) contains.

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Color

CIELCh(49, 29.608, 46.124)

Conversions

Conversions Part 1

Format	Color
Hex	9F6651
RGB	159, 102, 81
RGB Percent	62%, 40%, 32%
CMY	0.3748, 0.5985, 0.6809
CMYK	0.00, 0.36, 0.49, 0.37
HSL	16°, 32%, 47%
HSV	16°, 49%, 63%
XYZ	20.6729, 17.5941, 10.1641
YIQ	116.6490, 40.7130, 5.5530

Conversions

Conversions Part 2

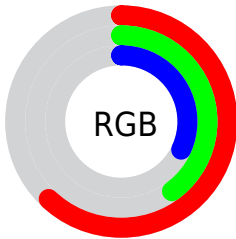
Format	Color
R_{YB}	159, 110, 81
Decimal	10446417
CIE _{Lab}	49.00, 20.52, 21.34
CIE _{LCh}	49, 29.608, 46.124
Yxy	17.5941, 0.4269, 0.3633
Android (android.graphics.Color)	4288636497 (0xFF9F6651)
YUV	116.6490, -17.5750, 37.1418
Hunter-Lab	41.9453, 14.5702, 14.9946

Details

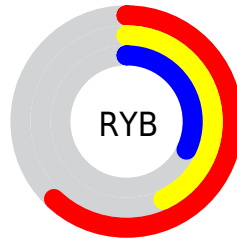
The CIELCh color **49, 29.608, 46.124** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **55, 21.251, 232.997**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 29.574, 45.162**, and **29, 29.839, 45.511** is the 20% darker color. If you saturate the color by 10%, you get **46, 37.014, 46.162**, and if you desaturate by 10%, it is **52, 22.657, 46.241**.

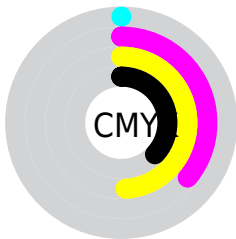
Distribution



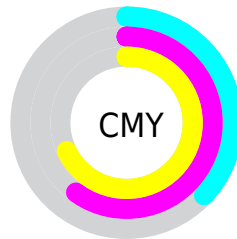
- Red (62%)
- Green (40%)
- Blue (32%)



- Red (62%)
- Yellow (43%)
- Blue (32%)



- Cyan (0%)
- Magenta (36%)
- Yellow (49%)
- Black (37%)



- Cyan (37%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.608, 46.124 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, 29.608, 46.124 by changing the saturation by 10% instead.

■ 49, 29.608, 46.124

■ 49, 29.608, 46.124

■ 100, 29.608,
46.124

■ 39, 29.608, 46.124

■ 69, 29.608, 46.124

■ 29, 29.608, 46.124

■ 79, 29.608, 46.124

■ 19, 29.608, 46.124

■ 89, 29.608, 46.124

■ 9, 29.608, 46.124

■ 99, 29.608, 46.124

■ 0, 29.608, 46.124

■ 49, 29.608, 46.124

■ 49, 29.608, 46.124

■ 46, 37.014, 46.162

■ 52, 22.657, 46.241

■ 43, 44.783, 46.328

■ 56, 16.189, 46.484

41, 52.673, 46.543

59, 10.191, 46.828

38, 60.140, 46.563

62, 4.634, 47.222

36, 66.630, 46.320

66, 0.521, 228.669

36, 67.350, 46.387

70, 5.315, 228.461

73, 9.791, 229.005

77, 13.984,
229.590

81, 17.930,
230.189

Harmonies

Complementary

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



49, 29.608, 46.124



55, 21.251, 232.997

Rectangle

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



49, 29.608, 46.124



49, 29.608, 96.124



49, 29.608, 226.124



49, 29.608, 276.124

Sweetspot

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



49, 29.607, 46.129



76, 9.813, 46.972



46, 43.665, 336.497



40, 6.801, 46.894



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, 29.607, 46.129



59, 45.921, 46.175



59, 34.275, 92.426



32, 2.907, 47.211



32, 61.752, 46.544



2, 3.702, 46.066

Inverse Universe

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



55, 21.251, 232.997



67, 30.036, 235.335



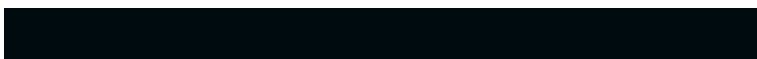
43, 36.100, 286.418



32, 2.762, 228.415



41, 30.199, 249.071



3, 3.666, 232.147

Previews

White Background



This preview shows how the CIELCh color 49, 29.608, 46.124 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 49, 29.608, 46.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

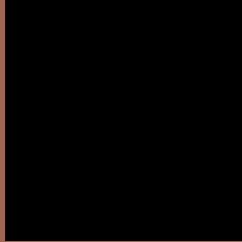
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.608, 46.124

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.608, 46.124.



This preview shows how white text looks on a background with the CIELCh color 49, 29.608, 46.124.

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, 29.608, 46.124

Protanopia

49, 17.242, 96.056

Deuteranopia

49, 22.896, 73.571



Tritanopia
49, 26.837, 14.443

Trichromacy



Original Color
49, 29.608, 46.124

Protanomaly
49, 19.390, 70.876

Deuteranomaly
49, 24.772, 62.974

Tritanomaly
49, 26.671, 26.472

Monochromacy



Original Color
49, 29.608, 46.124

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, 29.608, 46.124 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(159, 102, 81)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 81)  
}
```

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(159, 102, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.608, 46.124 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(159, 102, 81) }
```

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

```
.border{ border-color:rgb(159, 102, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 102, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 102, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 102, 81);  
box-shadow:4px 4px 4px 4px rgb(159, 102,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.608, 46.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 81) }
```

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

```
.background{ background-color: rgb(159,  
102, 81) }
```

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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