

Converting Colors

CIELCh(49, 8.602, 34.253)

Have a look what the booklet for
CIELCh(49, 8.602, 34.253) contains.

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Color

CIELCh(49, 8.621, 31.999)

Conversions

Conversions Part 1

Format	Color
Hex	84706D
RGB	132, 112, 109
RGB Percent	52%, 44%, 43%
CMY	0.4824, 0.5608, 0.5726
CMYK	0.00, 0.15, 0.17, 0.48
HSL	8°, 10%, 47%
HSV	8°, 17%, 52%
XYZ	18.0662, 17.5941, 16.9084
YIQ	117.6380, 12.8830, 3.3070

Conversions

Conversions Part 2

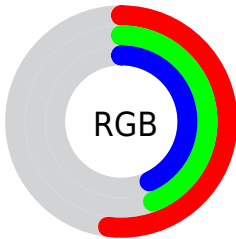
Format	Color
R_{YB}	132, 112, 109
Decimal	8679533
CIE Lab	49.00, 7.31, 4.57
CIE LCh	49, 8.621, 31.999
Yxy	17.5941, 0.3437, 0.3347
Android (android.graphics.Color)	4286869613 (0xFF84706D)
YUV	117.6380, -4.2585, 12.5955
Hunter-Lab	41.9453, 3.4774, 5.4615

Details

The CIELCh color $[49, 8.621, 31.999]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[53, 7.704, 211.811]$, and the grayscale version is $[50, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 8.497, 34.912]$, and $[29, 8.545, 29.357]$ is the 20% darker color. If you saturate the color by 10%, you get $[46, 14.125, 32.383]$, and if you desaturate by 10%, it is $[53, 3.529, 31.731]$.

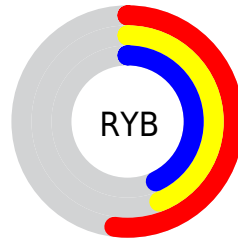
Distribution



Red (52%)

Green (44%)

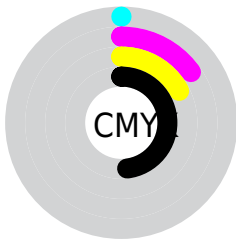
Blue (43%)



Red (52%)

Yellow (44%)

Blue (43%)

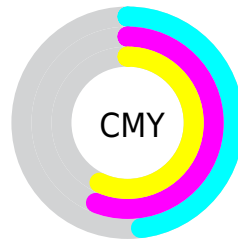


Cyan (0%)

Magenta (15%)

Yellow (17%)

Black (48%)



Cyan (48%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.621, 31.999 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, 8.621, 31.999 by changing the saturation by 10% instead.

 49, 8.621, 31.999  49, 8.621, 31.999

 100, 8.621, 31.999  39, 8.621, 31.999

 69, 8.621, 31.999  29, 8.621, 31.999

 79, 8.621, 31.999  19, 8.621, 31.999

 89, 8.621, 31.999  9, 8.621, 31.999

 99, 8.621, 31.999  0, 8.621, 31.999

 49, 8.621, 31.999  49, 8.621, 31.999

 46, 14.125, 32.383  53, 3.529, 31.731

 42, 20.060, 32.932  56, 1.178, 212.094

 39, 26.417, 33.713  60, 5.535, 211.805

36, 33.156, 34.777

63, 9.579, 211.820

34, 40.176, 36.156

67, 13.346,
211.900

31, 47.286, 37.825

71, 16.869,
212.019

29, 54.099, 39.598

28, 59.729, 40.913

74, 20.177,
212.165

28, 61.007, 41.292

78, 23.296,
212.330

81, 26.250,
212.506

Harmonies

Complementary

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



49, 8.621, 31.999



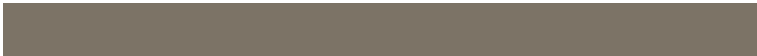
53, 7.704, 211.811

Rectangle

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



49, 8.621, 31.999



49, 8.621, 81.999



49, 8.621, 211.999



49, 8.621, 261.999

Sweetspot

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



49, 8.620, 32.010



68, 2.907, 31.646



49, 15.037, 328.755



35, 2.004, 31.672



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 8.620, 32.010



61, 13.038, 32.143



52, 9.000, 84.752



26, 2.709, 31.781



27, 60.244, 41.226



0, 0.627, 31.756

Inverse Universe

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



53, 7.704, 211.811



66, 11.323, 211.846



49, 8.877, 269.310



27, 2.560, 211.821



43, 26.643, 219.709



0, 0.627, 211.775

Previews

White Background



This preview shows how the CIELCh color 49, 8.621, 31.999 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, 8.621, 31.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

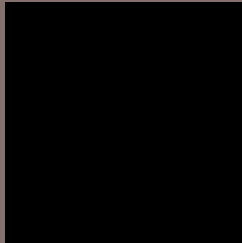
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 8.621, 31.999

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.621, 31.999.

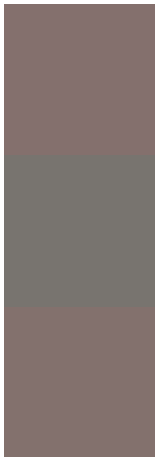


This preview shows how white text looks on a background with the CIELCh color 49, 8.621, 31.999.

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, 8.621, 31.999

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 7.943, 37.229



Tritanopia
49, 10.780, 351.515

Trichromacy



Original Color
49, 8.621, 31.999

Protanomaly
49, 4.745, 57.634

Deuteranomaly
49, 7.943, 37.229

Tritanomaly
49, 9.401, 6.165

Monochromacy



Original Color
49, 8.621, 31.999

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 2.919, 31.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.621, 31.999 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(132, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(132, 112, 109)  
}
```

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(132, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 112, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.621, 31.999 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(132, 112, 109) }
```

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

```
.border{ border-color:rgb(132, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(132, 112,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.621, 31.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 112, 109) }
```

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

```
.background{ background-color: rgb(132,  
112, 109) }
```

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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