

Converting Colors

CIELCh(49, 6.116, 103.787)

Have a look what the booklet for
CIELCh(49, 6.116, 103.787) contains.

CIELCh(49, 6.439, 105.594)	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, 6.439, 105.594)

Conversions

Conversions Part 1	
Format	Color
Hex	76756A
RGB	118, 117, 106
RGB Percent	46%, 46%, 42%
CMY	0.5375, 0.5414, 0.5846
CMYK	0.00, 0.01, 0.10, 0.54
HSL	55°, 5%, 44%
HSV	55°, 10%, 46%
XYZ	16.4146, 17.5941, 16.1492
YIQ	116.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

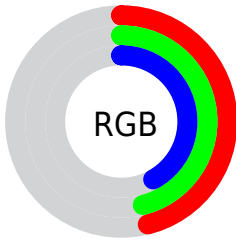
Format	Color
RYB	107, 118, 106
Decimal	7763306
CIELab	49.00, -1.73, 6.20
CIELCh	49, 6.439, 105.594
Yxy	17.5941, 0.3273, 0.3508
Android (android.graphics.Color)	4285953386 (0xFF76756A)
YUV	116.0450, -4.9522, 1.7145
Hunter-Lab	41.9453, -3.5512, 6.5346

Details

The CIELCh color $49, 6.439, 105.594$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 6.562, 287.679$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 6.568, 106.117$, and $29, 6.412, 104.786$ is the 20% darker color. If you saturate the color by 10%, you get $48, 12.767, 104.611$, and if you desaturate by 10%, it is $50, 0.104, 105.947$.

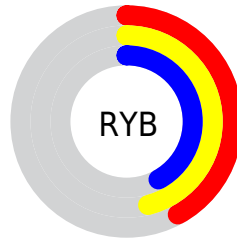
Distribution



Red (46%)

Green (46%)

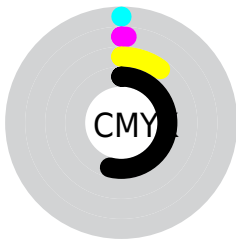
Blue (42%)



Red (42%)

Yellow (46%)

Blue (42%)

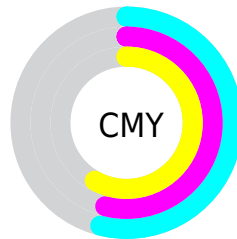


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (54%)



Cyan (54%)













Magenta (54%)







Yellow (58%)
















Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.439, 105.594 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, 6.439, 105.594 by changing the saturation by 10% instead.

 49, 6.439, 105.594	 49, 6.439, 105.594
 100, 6.439, 105.594	 39, 6.439, 105.594
 69, 6.439, 105.594	 29, 6.439, 105.594
 79, 6.439, 105.594	 19, 6.439, 105.594
 89, 6.439, 105.594	 9, 6.439, 105.594
 99, 6.439, 105.594	 0, 6.439, 105.594

 49, 6.439, 105.594	 49, 6.439, 105.594
 48, 12.767, 104.611	 50, 0.104, 105.947
 48, 19.049,	 50, 6.220, 287.553

 103.605	 51, 12.518, 288.465
 47, 25.230, 102.598	 52, 18.781, 289.343
 47, 31.222, 101.607	 52, 25.003, 290.184
 47, 36.884, 100.647	 53, 31.180, 290.984
 46, 42.007, 99.739	 54, 37.309, 291.743
 46, 46.300, 98.903	
 45, 49.429, 98.152	 55, 43.386, 292.461
 45, 51.768, 97.476	 56, 49.412, 293.139

Harmonies

Complementary

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



49, 6.439, 105.594



45, 6.562, 287.679

Rectangle

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



49, 6.439, 105.594



49, 6.439, 155.594



49, 6.439, 285.594



49, 6.439, 335.594

Sweetspot

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



49, 6.440, 105.604



63, 2.344, 106.276



46, 5.037, 13.224



32, 1.768, 106.214



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 6.440, 105.604



62, 9.402, 105.395



49, 7.331, 125.649



24, 3.546, 105.716



47, 53.153, 97.453



90, 89.847, 97.130

Inverse Universe

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



45, 6.562, 287.679



57, 9.613, 287.920



46, 7.452, 306.577



22, 3.607, 287.552



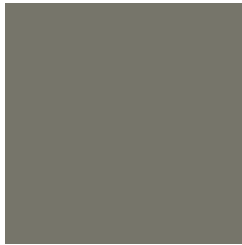
13, 73.359, 304.672



33, 128.027, 305.489

Previews

White Background



This preview shows how the CIELCh color 49, 6.439, 105.594 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, 6.439, 105.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

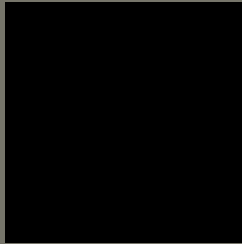
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

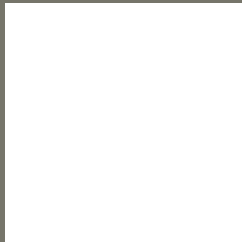
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 6.439, 105.594

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.439, 105.594.



This preview shows how white text looks on a background with the CIELCh color 49, 6.439, 105.594.

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, 6.439, 105.594

Protanopia

49, 6.761, 91.174

Deuteranopia

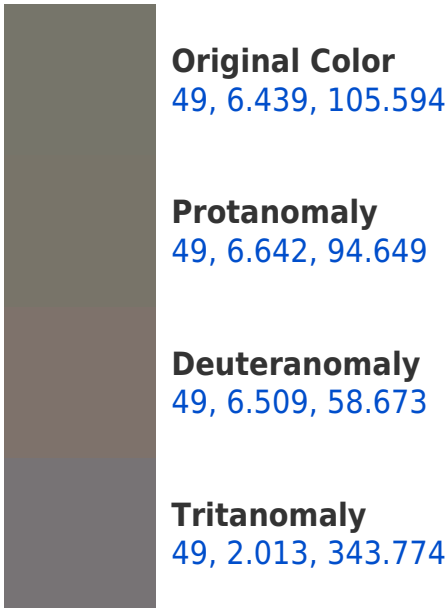
49, 8.582, 40.067



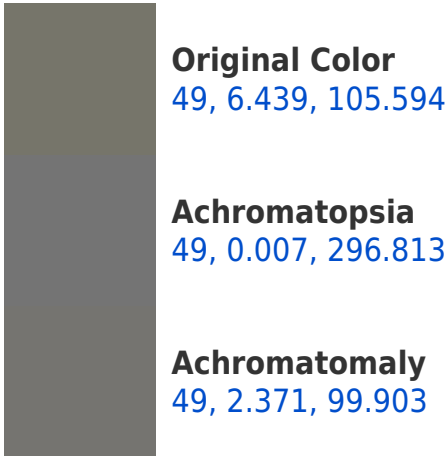
Tritanopia

49, 5.835, 314.938

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.439, 105.594 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(118, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(118, 117, 106)  
}
```

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(118, 117, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 117, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.439, 105.594 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(118, 117, 106) }
```

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

```
.border{ border-color:rgb(118, 117, 106) }
```

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

Here you see how a box with a 4 pixel rgb(118, 117, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 117, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 117, 106);  
box-shadow:4px 4px 4px 4px rgb(118, 117,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.439, 105.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 117, 106) }
```

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

```
.background{ background-color: rgb(118,  
117, 106) }
```

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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