

Converting Colors

CIELCh(49, 3.292, 91.597)

Have a look what the booklet for
CIELCh(49, 3.292, 91.597) contains.

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Color

CIELCh(49, 3.165, 86.788)

Conversions

Conversions Part 1

Format	Color
Hex	77746F
RGB	119, 116, 111
RGB Percent	47%, 45%, 44%
CMY	0.5329, 0.5447, 0.5643
CMYK	0.00, 0.03, 0.07, 0.53
HSL	38°, 3%, 45%
HSV	38°, 7%, 47%
XYZ	16.7544, 17.5941, 17.5817
YIQ	116.3270, 3.3930, -0.9190

Conversions

Conversions Part 2

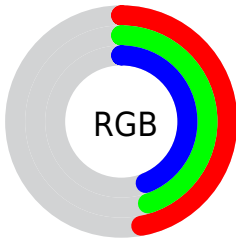
Format	Color
R_{YB}	116, 119, 111
Decimal	7828591
CIE Lab	49.00, 0.18, 3.16
CIE LCh	49, 3.165, 86.788
Yxy	17.5941, 0.3226, 0.3388
Android (android.graphics.Color)	4286018671 (0xFF77746F)
YUV	116.3270, -2.6262, 2.3442
Hunter-Lab	41.9453, -2.1051, 4.5098

Details

The CIELCh color $49, 3.165, 86.788$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.162, 268.560$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 2.954, 86.992$, and $29, 3.481, 86.348$ is the 20% darker color. If you saturate the color by 10%, you get $47, 7.988, 85.621$, and if you desaturate by 10%, it is $51, 1.536, 268.179$.

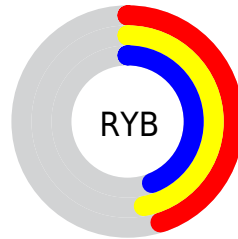
Distribution



Red (47%)

Green (45%)

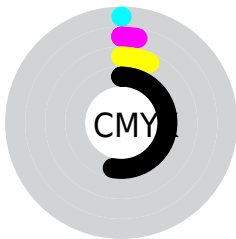
Blue (44%)



Red (45%)

Yellow (47%)

Blue (44%)

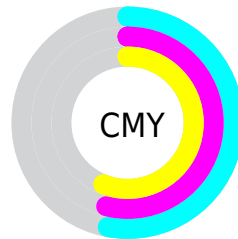


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 3.165, 86.788 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, 3.165, 86.788 by changing the saturation by 10% instead.

■ 49, 3.165, 86.788 ■ 49, 3.165, 86.788

■ 100, 3.165, 86.788 ■ 39, 3.165, 86.788

■ 69, 3.165, 86.788 ■ 29, 3.165, 86.788

■ 79, 3.165, 86.788 ■ 19, 3.165, 86.788

■ 89, 3.165, 86.788 ■ 9, 3.165, 86.788

■ 99, 3.165, 86.788 ■ 0, 3.165, 86.788

■ 49, 3.165, 86.788 ■ 49, 3.165, 86.788

■ 47, 7.988, 85.621 ■ 51, 1.536, 268.179

■ 46, 12.932, 84.365 ■ 52, 6.124, 269.230

■ 44, 17.990, 83.069 ■ 54, 10.606,

43, 23.137, 81.736	270.313
41, 28.316, 80.359	56, 14.990, 271.356
40, 33.415, 78.920	57, 19.286, 272.352
39, 38.225, 77.368	59, 23.501, 273.301
37, 42.396, 75.607	61, 27.643, 274.202
36, 45.756, 73.616	62, 31.717, 275.058
	64, 35.731, 275.868

Harmonies

Complementary

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



49, 3.165, 86.788



48, 3.162, 268.560

Rectangle

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



49, 3.165, 86.788



49, 3.165, 136.788



49, 3.165, 266.788



49, 3.165, 316.788

Sweetspot

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



49, 3.166, 86.813



64, 1.161, 87.237



48, 3.747, 350.948



33, 0.665, 87.239



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 3.166, 86.813



63, 4.702, 86.644



50, 4.682, 114.257



24, 2.628, 86.549



37, 47.927, 72.967



72, 81.362, 71.090

Inverse Universe

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



48, 3.162, 268.560



61, 4.687, 268.745



47, 4.758, 295.283



23, 2.618, 268.850



21, 51.088, 292.667



45, 91.770, 294.856

Previews

White Background



This preview shows how the CIELCh color 49, 3.165, 86.788 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, 3.165, 86.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

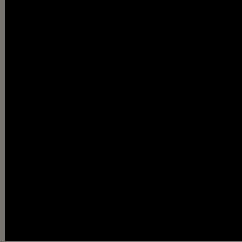
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

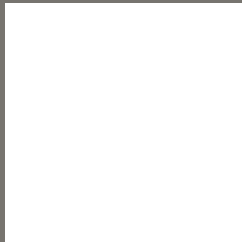
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 3.165, 86.788

Background



This preview shows how black text looks on a background with the CIELCh color 49, 3.165, 86.788.



This preview shows how white text looks on a background with the CIELCh color 49, 3.165, 86.788.

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, 3.165, 86.788

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 7.076, 20.189



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color

49, 3.165, 86.788

Protanomaly

49, 3.346, 80.223

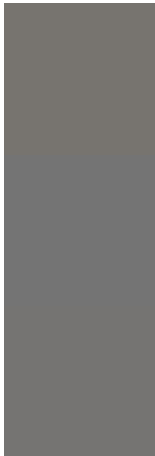
Deuteranomaly

49, 5.003, 26.610

Tritanomaly

49, 3.114, 330.705

Monochromacy



Original Color

49, 3.165, 86.788

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.231, 90.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 3.165, 86.788 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(119, 116, 111)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 111)  
}
```

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(119, 116, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 3.165, 86.788 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(119, 116, 111) }
```

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

```
.border{ border-color:rgb(119, 116, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 116, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 111);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 3.165, 86.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 111) }
```

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

```
.background{ background-color: rgb(119,  
116, 111) }
```

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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