

Converting Colors

CIELCh(48, 3.843, 69.260)

Have a look what the booklet for
CIELCh(48, 3.843, 69.260) contains.

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Color

CIELCh(48, 3.843, 69.260)

Conversions

Conversions Part 1

Format	Color
Hex	77716C
RGB	119, 113, 108
RGB Percent	47%, 44%, 42%
CMY	0.5336, 0.5571, 0.5767
CMYK	0.00, 0.05, 0.09, 0.53
HSL	27°, 5%, 44%
HSV	27°, 9%, 47%
XYZ	16.2000, 16.7945, 16.5571
YIQ	114.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

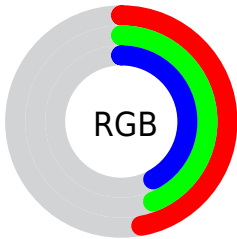
Format	Color
R_{YB}	119, 117, 108
Decimal	7827820
CIE _{Lab}	48.00, 1.36, 3.59
CIE _{LCh}	48, 3.843, 69.260
Yxy	16.7945, 0.3269, 0.3389
Android (android.graphics.Color)	4286017900 (0xFF77716C)
YUV	114.2240, -3.0684, 4.1886
Hunter-Lab	40.9810, -1.1547, 4.7325

Details

The CIELCh color $[48, 3.843, 69.260]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[48, 3.742, 251.522]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[68, 4.011, 74.500]$, and $[28, 3.783, 62.570]$ is the 20% darker color. If you saturate the color by 10%, you get $[46, 8.210, 68.220]$, and if you desaturate by 10%, it is $[50, 0.310, 251.338]$.

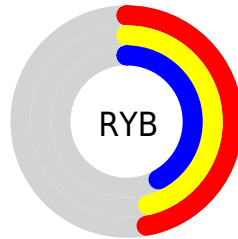
Distribution



Red (47%)

Green (44%)

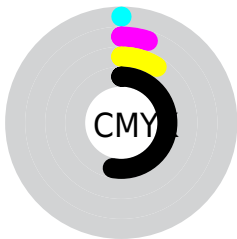
Blue (42%)



Red (47%)

Yellow (46%)

Blue (42%)

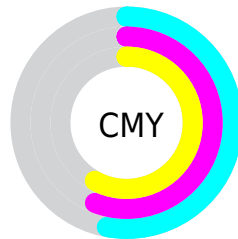


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (53%)



Cyan (53%)

Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 3.843, 69.260 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 48, 3.843, 69.260 by changing the saturation by 10% instead.

 48, 3.843, 69.260  48, 3.843, 69.260

 100, 3.843, 69.260  38, 3.843, 69.260

 68, 3.843, 69.260  28, 3.843, 69.260

 78, 3.843, 69.260  18, 3.843, 69.260

 88, 3.843, 69.260  8, 3.843, 69.260

 98, 3.843, 69.260  0, 3.843, 69.260

 48, 3.843, 69.260  48, 3.843, 69.260

 46, 8.210, 68.220  50, 0.310, 251.338

 44, 12.809, 67.129  52, 4.270, 251.589

 42, 17.652, 66.038  55, 8.056, 252.610

40, 22.738, 64.955

57, 11.690,
253.623

38, 28.039, 63.873

59, 15.187,
254.608

36, 33.472, 62.763

34, 38.855, 61.546

61, 18.564,
255.559

32, 43.826, 60.051

64, 21.835,
256.474

31, 48.526, 58.584

66, 25.012,
257.352

68, 28.106,
258.192

Harmonies

Complementary

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



48, 3.843, 69.260



48, 3.742, 251.522

Rectangle

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



48, 3.843, 69.260



48, 3.843, 119.260



48, 3.843, 249.260



48, 3.843, 299.260

Sweetspot

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



48, 3.843, 69.284



63, 1.526, 69.812



47, 5.763, 341.706



33, 1.169, 69.775



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 3.843, 69.284



61, 5.725, 69.073



50, 6.097, 107.216



24, 2.311, 69.307



32, 50.020, 58.430



64, 86.111, 56.257

Inverse Universe

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



48, 3.742, 251.522



61, 5.535, 251.770



46, 6.213, 289.048



23, 2.252, 251.495



28, 37.055, 277.396



57, 66.027, 280.222

Previews

White Background



This preview shows how the CIELCh color 48, 3.843, 69.260 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 48, 3.843, 69.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

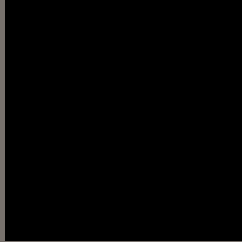
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

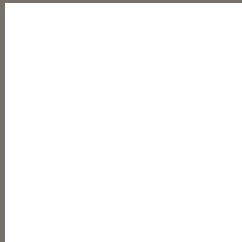
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 3.843, 69.260

Background



This preview shows how black text looks on a background with the CIELCh color 48, 3.843, 69.260.



This preview shows how white text looks on a background with the CIELCh color 48, 3.843, 69.260.

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

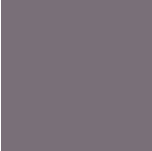
48, 3.843, 69.260

Protanopia

48, 3.363, 80.204

Deuteranopia

48, 7.148, 24.887



Tritanopia
48, 6.689, 327.697

Trichromacy



Original Color
48, 3.843, 69.260

Protanomaly
48, 3.586, 74.370

Deuteranomaly
48, 5.552, 32.139

Tritanomaly
48, 4.033, 344.106

Monochromacy



Original Color
48, 3.843, 69.260

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.420, 74.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 3.843, 69.260 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, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 108)  
}
```

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, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 3.843, 69.260 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, 113, 108) }
```

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

```
.border{ border-color:rgb(119, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 3.843, 69.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 108) }
```

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

```
.background{ background-color: rgb(119,  
113, 108) }
```

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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