

Converting Colors

CIELCh(48, 0.606, 74.604)

Have a look what the booklet for
CIELCh(48, 0.606, 74.604) contains.

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Color

CIELCh(48, 0.706, 74.874)

Conversions

Conversions Part 1

Format	Color
Hex	737271
RGB	115, 114, 113
RGB Percent	45%, 45%, 44%
CMY	0.5500, 0.5539, 0.5578
CMYK	0.00, 0.01, 0.02, 0.55
HSL	30°, 1%, 45%
HSV	30°, 2%, 45%
XYZ	15.9946, 16.7945, 17.9496
YIQ	114.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

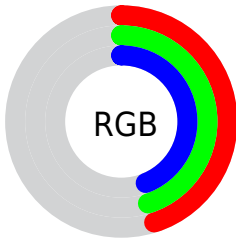
Format	Color
R_{YB}	115, 115, 113
Decimal	7565937
CIE Lab	48.00, 0.18, 0.68
CIE LCh	48, 0.706, 74.874
Yxy	16.7945, 0.3152, 0.3310
Android (android.graphics.Color)	4285756017 (0xFF737271)
YUV	114.1850, -0.5842, 0.7148
Hunter-Lab	40.9810, -2.0495, 2.7179

Details

The CIELCh color $48, 0.706, 74.874$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 0.713, 256.075$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 0.658, 74.790$, and $28, 0.779, 74.886$ is the 20% darker color. If you saturate the color by 10%, you get $46, 4.894, 74.124$, and if you desaturate by 10%, it is $50, 3.312, 256.543$.

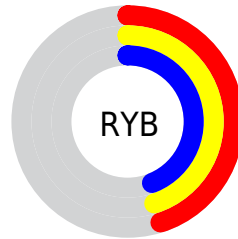
Distribution



Red (45%)

Green (45%)

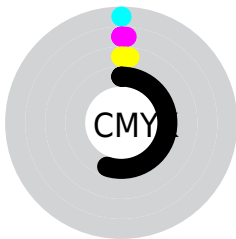
Blue (44%)



Red (45%)

Yellow (45%)

Blue (44%)

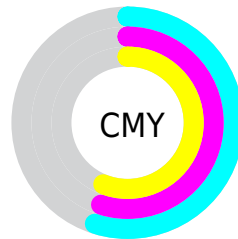


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (55%)



Cyan (55%)













Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 0.706, 74.874 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, 0.706, 74.874 by changing the saturation by 10% instead.

 48, 0.706, 74.874	 48, 0.706, 74.874
 100, 0.706, 74.874	 38, 0.706, 74.874
 68, 0.706, 74.874	 28, 0.706, 74.874
 78, 0.706, 74.874	 18, 0.706, 74.874
 88, 0.706, 74.874	 8, 0.706, 74.874
 98, 0.706, 74.874	 0, 0.706, 74.874

 48, 0.706, 74.874	 48, 0.706, 74.874
 46, 4.894, 74.124	 50, 3.312, 256.543
 44, 9.268, 72.967	 52, 7.176, 257.606
 42, 13.839, 71.780	 54, 10.904,

■ 40, 18.610, 70.580	■ 258.661
■ 39, 23.570, 69.367	■ 56, 14.509, 259.683
■ 37, 28.672, 68.129	■ 58, 18.006, 260.667
■ 35, 33.809, 66.828	■ 60, 21.406, 261.610
■ 34, 38.758, 65.373	■ 62, 24.720, 262.511
■ 32, 43.119, 63.583	■ 64, 27.958, 263.371
	■ 66, 31.127, 264.191

Harmonies

Complementary

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



48, 0.706, 74.874



48, 0.713, 256.075

Rectangle

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



48, 0.706, 74.874



48, 0.706, 124.874



48, 0.706, 254.874



48, 0.706, 304.874

Sweetspot

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



48, 0.706, 74.989



62, 0.503, 74.826



48, 1.012, 343.518



32, 0.288, 74.786



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 0.706, 74.989



62, 1.015, 75.006



48, 1.168, 109.984



24, 0.465, 74.994



33, 49.158, 62.124



66, 84.239, 59.914

Inverse Universe

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



48, 0.713, 256.075



62, 1.022, 256.060



48, 1.185, 290.373



24, 0.469, 256.070



26, 40.593, 282.418



53, 72.621, 285.079

Previews

White Background



This preview shows how the CIELCh color 48, 0.706, 74.874 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, 0.706, 74.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

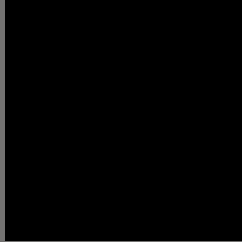
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

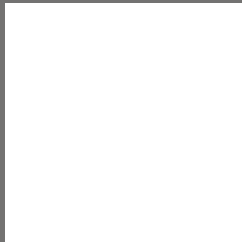
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 0.706, 74.874

Background



This preview shows how black text looks on a background with the CIELCh color 48, 0.706, 74.874.



This preview shows how white text looks on a background with the CIELCh color 48, 0.706, 74.874.

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, 0.706, 74.874

Protanopia

48, 1.223, 19.251

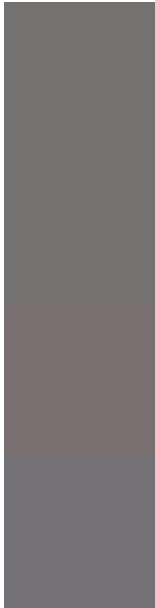
Deuteranopia

48, 6.442, 4.290



Tritanopia
48, 5.570, 307.426

Trichromacy



Original Color

48, 0.706, 74.874

Protanomaly

48, 1.223, 19.251

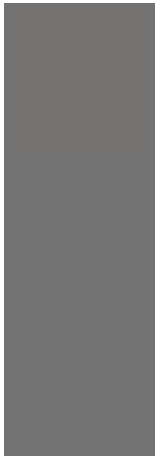
Deuteranomaly

48, 4.279, 3.899

Tritanomaly

48, 3.203, 312.618

Monochromacy



Original Color

48, 0.706, 74.874

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 0.706, 74.874 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(115, 114, 113)` looks like.

```
.text, #text, p{  
    color:rgb(115, 114, 113)  
}
```

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(115, 114, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 114, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 0.706, 74.874 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(115, 114, 113) }
```

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

```
.border{ border-color:rgb(115, 114, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 114, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 114, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 114, 113);  
box-shadow:4px 4px 4px 4px rgb(115, 114,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 0.706, 74.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 114, 113) }
```

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

```
.background{ background-color: rgb(115,  
114, 113) }
```

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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