

Converting Colors

CIELCh(48, 2.274, 76.464)

Have a look what the booklet for
CIELCh(48, 2.274, 76.464) contains.

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Color

CIELCh(48, 2.402, 66.574)

Conversions

Conversions Part 1

Format	Color
Hex	75716E
RGB	117, 113, 110
RGB Percent	46%, 44%, 43%
CMY	0.5402, 0.5559, 0.5677
CMYK	0.00, 0.03, 0.06, 0.54
HSL	26°, 3%, 45%
HSV	26°, 6%, 46%
XYZ	16.1290, 16.7945, 17.2123
YIQ	113.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

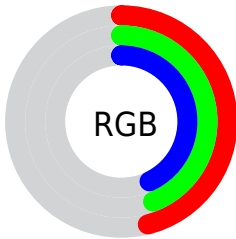
Format	Color
R_{YB}	117, 115, 110
Decimal	7696750
CIE Lab	48.00, 0.95, 2.20
CIE LCh	48, 2.402, 66.574
Yxy	16.7945, 0.3217, 0.3350
Android (android.graphics.Color)	4285886830 (0xFF75716E)
YUV	113.8540, -1.9000, 3.7590
Hunter-Lab	40.9810, -1.4643, 3.7845

Details

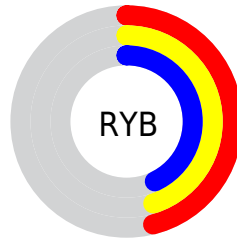
The CIELCh color **48, 2.402, 66.574** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 2.361, 248.118**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 2.235, 66.703**, and **28, 2.225, 54.988** is the 20% darker color. If you saturate the color by 10%, you get **46, 6.607, 65.646**, and if you desaturate by 10%, it is **50, 1.585, 247.947**.

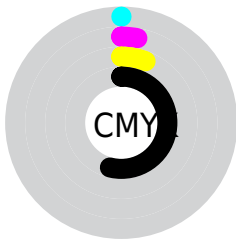
Distribution



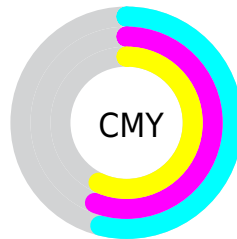
- Red (46%)
- Green (44%)
- Blue (43%)



- Red (46%)
- Yellow (45%)
- Blue (43%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 2.402, 66.574 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, 2.402, 66.574 by changing the saturation by 10% instead.

■ 48, 2.402, 66.574 ■ 48, 2.402, 66.574

■ 100, 2.402, 66.574 ■ 38, 2.402, 66.574

■ 68, 2.402, 66.574 ■ 28, 2.402, 66.574

■ 78, 2.402, 66.574 ■ 18, 2.402, 66.574

■ 88, 2.402, 66.574 ■ 8, 2.402, 66.574

■ 98, 2.402, 66.574 ■ 0, 2.402, 66.574

■ 48, 2.402, 66.574 ■ 48, 2.402, 66.574

■ 46, 6.607, 65.646 ■ 50, 1.585, 247.947

■ 44, 11.051, 64.628 ■ 53, 5.376, 248.844

■ 41, 15.751, 63.616 ■ 55, 8.993, 249.828

39, 20.715, 62.622

57, 12.456,
250.798

37, 25.929, 61.647

59, 15.782,
251.744

35, 31.340, 60.673

34, 36.816, 59.644

62, 18.989,
252.659

32, 42.073, 58.424

64, 22.089,
253.540

30, 46.846, 56.968

66, 25.095,
254.388

69, 28.019,
255.200

Harmonies

Complementary

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



48, 2.402, 66.574



48, 2.361, 248.118

Rectangle

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



48, 2.402, 66.574



48, 2.402, 116.574



48, 2.402, 246.574



48, 2.402, 296.574

Sweetspot

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



48, 2.402, 66.611



63, 0.987, 66.786



47, 3.754, 339.783



32, 0.557, 66.773



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, 2.402, 66.611



61, 3.513, 66.506



49, 3.759, 106.000



24, 1.818, 66.501



31, 50.555, 56.467



62, 87.288, 54.369

Inverse Universe

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



48, 2.361, 248.118



61, 3.436, 248.238



47, 3.809, 287.218



24, 1.778, 248.243



29, 35.210, 274.236



58, 62.557, 277.144

Previews

White Background



This preview shows how the CIELCh color 48, 2.402, 66.574 looks on a white background.

Color Contrast Check

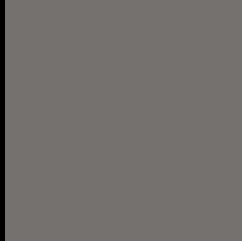
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.402, 66.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

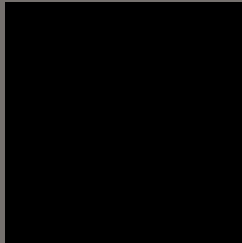
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 2.402, 66.574

Background



This preview shows how black text looks on a background with the CIELCh color 48, 2.402, 66.574.



This preview shows how white text looks on a background with the CIELCh color 48, 2.402, 66.574.

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, 2.402, 66.574

Protanopia

48, 2.402, 66.574

Deuteranopia

48, 6.680, 15.131



Tritanopia
48, 5.518, 321.276

Trichromacy



Original Color

48, 2.402, 66.574

Protanomaly

48, 2.402, 66.574

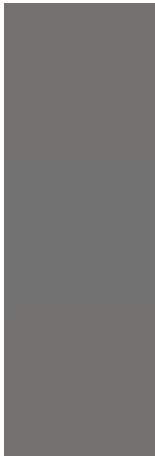
Deuteranomaly

48, 4.972, 19.922

Tritanomaly

48, 3.407, 335.933

Monochromacy



Original Color

48, 2.402, 66.574

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 0.706, 74.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 2.402, 66.574 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(117, 113, 110)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 110)  
}
```

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(117, 113, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 2.402, 66.574 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(117, 113, 110) }
```

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

```
.border{ border-color:rgb(117, 113, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 113, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 110);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 2.402, 66.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 110) }
```

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

```
.background{ background-color: rgb(117,  
113, 110) }
```

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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