

Converting Colors

CIELCh(48, 7.618, 32.563)

Have a look what the booklet for
CIELCh(48, 7.618, 32.563) contains.

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Color

CIELCh(48, 7.808, 33.203)

Conversions

Conversions Part 1

Format	Color
Hex	806E6B
RGB	128, 110, 107
RGB Percent	50%, 43%, 42%
CMY	0.4981, 0.5687, 0.5805
CMYK	0.00, 0.14, 0.16, 0.50
HSL	9°, 9%, 46%
HSV	9°, 16%, 50%
XYZ	17.1238, 16.7945, 16.2419
YIQ	115.0400, 11.6910, 2.8830

Conversions

Conversions Part 2

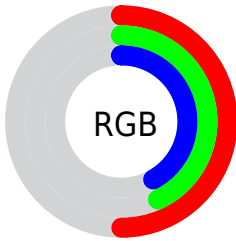
Format	Color
R_{YB}	128, 111, 107
Decimal	8416875
CIE Lab	48.00, 6.53, 4.28
CIE LCh	48, 7.808, 33.203
Yxy	16.7945, 0.3414, 0.3348
Android (android.graphics.Color)	4286606955 (0xFF806E6B)
YUV	115.0400, -3.9637, 11.3659
Hunter-Lab	40.9810, 2.8690, 5.1885

Details

The CIELCh color $48, 7.808, 33.203$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 7.031, 213.225$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 7.749, 36.369$, and $28, 8.119, 29.815$ is the 20% darker color. If you saturate the color by 10%, you get $45, 13.081, 33.510$, and if you desaturate by 10%, it is $51, 2.930, 32.990$.

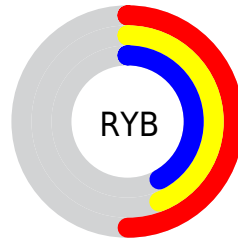
Distribution



Red (50%)

Green (43%)

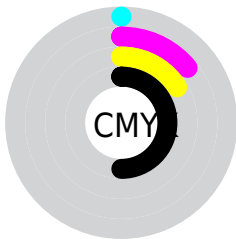
Blue (42%)



Red (50%)

Yellow (44%)

Blue (42%)

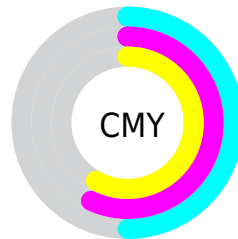


Cyan (0%)

Magenta (14%)

Yellow (16%)

Black (50%)



Cyan (50%)

Magenta (57%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 7.808, 33.203 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, 7.808, 33.203 by changing the saturation by 10% instead.

■ 48, 7.808, 33.203 ■ 48, 7.808, 33.203

■ 100, 7.808, 33.203 ■ 38, 7.808, 33.203

■ 68, 7.808, 33.203 ■ 28, 7.808, 33.203

■ 78, 7.808, 33.203 ■ 18, 7.808, 33.203

■ 88, 7.808, 33.203 ■ 8, 7.808, 33.203

■ 98, 7.808, 33.203 ■ 0, 7.808, 33.203

■ 48, 7.808, 33.203 ■ 48, 7.808, 33.203

■ 45, 13.081, 33.510 ■ 51, 2.930, 32.990

■ 41, 18.771, 33.966 ■ 55, 1.580, 213.339

■ 38, 24.876, 34.635 ■ 58, 5.758, 213.195

36, 31.364, 35.566

62, 9.639, 213.264

33, 38.153, 36.791

65, 13.257,
213.391

31, 45.076, 38.292

69, 16.643,
213.553

29, 51.792, 39.913

27, 57.436, 41.060

72, 19.825,
213.740

27, 59.200, 41.502

76, 22.829,
213.942

79, 25.675,
214.154

Harmonies

Complementary

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



48, 7.808, 33.203



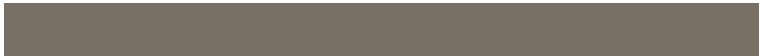
51, 7.031, 213.225

Rectangle

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



48, 7.808, 33.203



48, 7.808, 83.203



48, 7.808, 213.203



48, 7.808, 263.203

Sweetspot

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



48, 7.807, 33.215



66, 2.810, 32.944



48, 13.643, 329.227



34, 1.936, 32.967



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

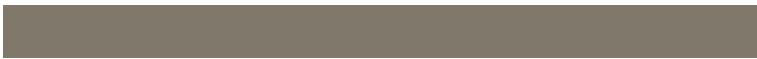
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 7.807, 33.215



60, 11.949, 33.318



51, 8.375, 86.344



25, 2.596, 33.057



27, 59.012, 41.485



0, 0.000, 0.000

Inverse Universe

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



51, 7.031, 213.225



64, 10.461, 213.280



48, 8.297, 270.585



26, 2.455, 213.198



42, 26.145, 222.209



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 7.808, 33.203 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, 7.808, 33.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

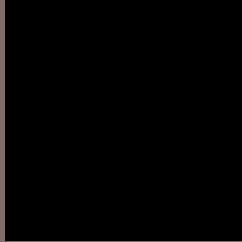
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 7.808, 33.203

Background



This preview shows how black text looks on a background with the CIELCh color 48, 7.808, 33.203.

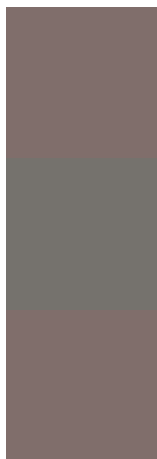


This preview shows how white text looks on a background with the CIELCh color 48, 7.808, 33.203.

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, 7.808, 33.203

Protanopia

48, 3.175, 86.777

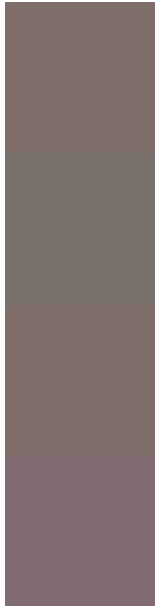
Deuteranopia

48, 7.808, 33.203



Tritanopia
48, 10.100, 349.100

Trichromacy



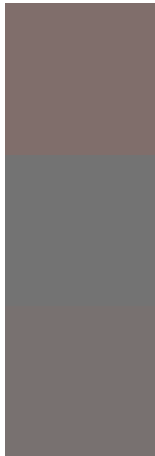
Original Color
48, 7.808, 33.203

Protanomaly
48, 4.435, 60.963

Deuteranomaly
48, 7.808, 33.203

Tritanomaly
48, 8.616, 4.667

Monochromacy



Original Color
48, 7.808, 33.203

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.934, 31.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 7.808, 33.203 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(128, 110, 107)` looks like.

```
.text, #text, p{  
    color:rgb(128, 110, 107)  
}
```

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(128, 110, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 110, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 7.808, 33.203 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(128, 110, 107) }
```

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

```
.border{ border-color:rgb(128, 110, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 110, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 110, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 110, 107);  
box-shadow:4px 4px 4px 4px rgb(128, 110,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 7.808, 33.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 110, 107) }
```

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

```
.background{ background-color: rgb(128,  
110, 107) }
```

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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