

# Converting Colors

CIELCh(48, 6.819, 354.733)

Have a look what the booklet for  
CIELCh(48, 6.819, 354.733) contains.

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# Color

**CIELCh(48, 6.830, 354.742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D6E73
RGB	125, 110, 115
RGB Percent	49%, 43%, 45%
CMY	0.5092, 0.5681, 0.5485
CMYK	0.00, 0.12, 0.08, 0.51
HSL	340°, 6%, 46%
HSV	340°, 12%, 49%
XYZ	17.1726, 16.7945, 18.5993
YIQ	115.0550, 7.3350, 4.7350

# Conversions

## Conversions Part 2

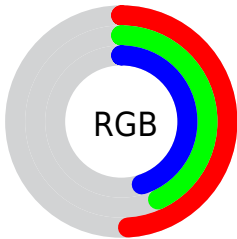
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 110, 115
Decimal	8220275
CIE Lab	48.00, 6.80, -0.63
CIE LCh	48, 6.830, 354.742
Yxy	16.7945, 0.3267, 0.3195
Android (android.graphics.Color)	4286410355 (0xFF7D6E73)
YUV	115.0550, -0.0271, 8.7218
Hunter-Lab	40.9810, 3.0815, 1.7780

# Details

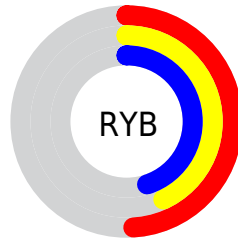
The CIELCh color **48, 6.830, 354.742** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **51, 6.631, 172.688**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 6.722, 355.875**, and **28, 7.103, 353.710** is the 20% darker color. If you saturate the color by 10%, you get **44, 12.733, 355.824**, and if you desaturate by 10%, it is **52, 1.114, 353.576**.

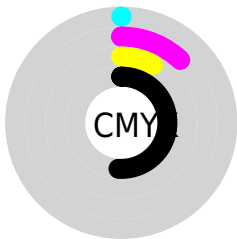
# Distribution



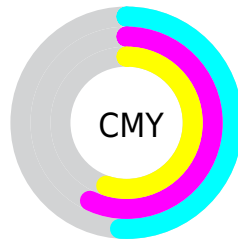
- Red (49%)
- Green (43%)
- Blue (45%)



- Red (49%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (51%)



- Cyan (51%)
- Magenta (57%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 6.830, 354.742 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, 6.830, 354.742 by changing the saturation by 10% instead.



■ 48, 6.830, 354.742

■ 48, 6.830, 354.742

■ 100, 6.830,  
354.742

■ 38, 6.830, 354.742

■ 68, 6.830, 354.742

■ 28, 6.830, 354.742

■ 78, 6.830, 354.742

■ 18, 6.830, 354.742

■ 88, 6.830, 354.742

■ 8, 6.830, 354.742

■ 98, 6.830, 354.742

■ 0, 6.830, 354.742

■ 48, 6.830, 354.742

■ 48, 6.830, 354.742

■ 44, 12.733,  
355.824

■ 52, 1.114, 353.576

■ 41, 18.766,

■ 55, 4.381, 173.127

357.052

59, 9.647, 172.348

38, 24.820,  
358.494

63, 14.688,  
171.668

34, 30.731, 0.226

67, 19.515,  
171.053

32, 36.279, 2.352

71, 24.142,  
170.490

29, 41.201, 5.002

27, 45.262, 8.333

75, 28.586,  
169.973

26, 48.346, 12.485

78, 32.863,  
169.494

25, 50.622, 16.010

82, 36.988,  
169.049

# Harmonies

# Complementary

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



48, 6.830, 354.742



51, 6.631, 172.688

# Rectangle

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



48, 6.830, 354.742



48, 6.830, 44.742



48, 6.830, 174.742



48, 6.830, 224.742

# Sweetspot

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



48, 6.828, 354.748



65, 2.792, 353.915



48, 9.744, 315.136



33, 1.976, 353.993



84, 0.010, 296.813



35, 0.005, 296.813



# Same Dimension

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



48, 6.828, 354.748



61, 9.950, 354.991



49, 5.409, 35.589



25, 3.243, 354.456



26, 51.325, 16.124



0, 0.000, 0.000





# Inverse Universe

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



48, 6.828, 354.748



61, 9.950, 354.991



51, 5.023, 215.921



25, 3.243, 354.456



26, 51.325, 16.124



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 48, 6.830, 354.742 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, 6.830, 354.742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

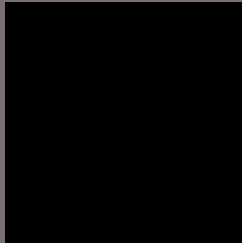
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 48, 6.830, 354.742**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 48, 6.830, 354.742.



This preview shows how white text looks on a background with the CIELCh color 48, 6.830, 354.742.

# 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, 6.830, 354.742

### Protanopia

48, 2.507, 309.178

### Deuteranopia

48, 6.459, 353.091



**Tritanopia**  
48, 8.051, 344.647



# Trichromacy



## Original Color

48, 6.830, 354.742

## Protanomaly

48, 3.710, 340.354

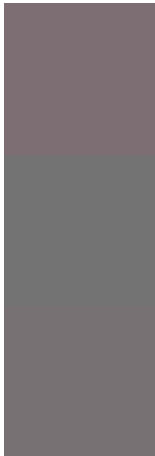
## Deuteranomaly

48, 6.459, 353.091

## Tritanomaly

48, 7.734, 348.215

# Monochromacy



## Original Color

48, 6.830, 354.742

## Achromatopsia

48, 0.006, 296.813

## Achromatomaly

48, 2.722, 354.016

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 6.830, 354.742 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(125, 110, 115)` looks like.

```
.text, #text, p{  
    color:rgb(125, 110, 115)  
}
```

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(125, 110, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 110, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 6.830, 354.742 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(125, 110, 115) }
```

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

```
.border{ border-color:rgb(125, 110, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 110, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 110, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 110, 115);  
box-shadow:4px 4px 4px 4px rgb(125, 110,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 6.830, 354.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 110, 115) }
```

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

```
.background{ background-color: rgb(125,  
110, 115) }
```

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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