

# Converting Colors

CIELCh(46, 10.817, 350.845)

Have a look what the booklet for  
CIELCh(46, 10.817, 350.845)  
contains.

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# Color

**CIELCh(46, 10.898, 351.605)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E6770
RGB	126, 103, 112
RGB Percent	49%, 40%, 44%
CMY	0.5064, 0.5966, 0.5613
CMYK	0.00, 0.18, 0.11, 0.51
HSL	337°, 10%, 45%
HSV	337°, 18%, 49%
XYZ	16.3406, 15.2687, 17.3784
YIQ	110.9030, 10.8190, 7.6750

# Conversions

## Conversions Part 2

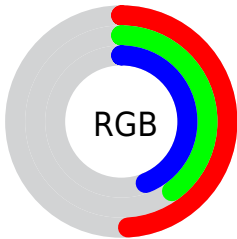
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 103, 112
Decimal	8284016
CIE Lab	46.00, 10.78, -1.59
CIE LCh	46, 10.898, 351.605
Yxy	15.2687, 0.3336, 0.3117
Android (android.graphics.Color)	4286474096 (0xFF7E6770)
YUV	110.9030, 0.5408, 13.2401
Hunter-Lab	39.0751, 6.2645, 0.9837

# Details

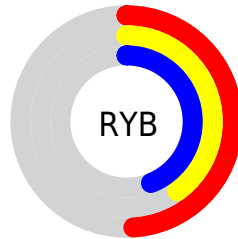
The CIELCh color  $46, 10.898, 351.605$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $51, 10.516, 168.359$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 11.105, 350.665$ , and  $26, 10.884, 353.077$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 17.057, 352.716$ , and if you desaturate by 10%, it is  $50, 4.859, 350.609$ .

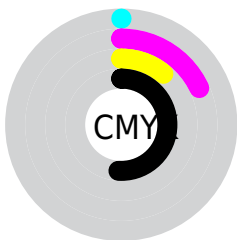
# Distribution



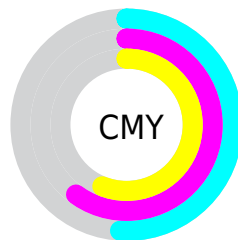
- Red (49%)
- Green (40%)
- Blue (44%)



- Red (49%)
- Yellow (40%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (11%)
- Black (51%)




- Cyan (51%)
- Magenta (60%)
- Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 10.898, 351.605 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 46, 10.898, 351.605 by changing the saturation by 10% instead.





 46, 10.898,  
351.605


 46, 10.898,  
351.605


 100, 10.898,  
351.605


 36, 10.898,  
351.605

 66, 10.898,  
351.605


 26, 10.898,  
351.605

 76, 10.898,  
351.605

 16, 10.898,  
351.605


 86, 10.898,  
351.605

 6, 10.898, 351.605

 96, 10.898,  
351.605

 0, 10.898, 351.605

 46, 10.898,

 46, 10.898,

351.605

351.605

42, 17.057,  
352.716

50, 4.859, 350.609

39, 23.243,  
353.991

53, 0.997, 170.134

57, 6.644, 169.090

36, 29.298,  
355.493

61, 12.074,  
168.367

33, 35.008,  
357.302

65, 17.289,  
167.717

30, 40.104,  
359.530

69, 22.300,  
167.123

28, 44.308, 2.317

73, 27.120,  
166.575

27, 47.425, 5.822

76, 31.764,  
166.068

26, 49.745, 9.937

26, 50.179, 10.629

80, 36.246,



# Harmonies

# Complementary

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



46, 10.898, 351.605



51, 10.516, 168.359

# Rectangle

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



46, 10.898, 351.605



46, 10.898, 41.605



46, 10.898, 171.605



46, 10.898, 221.605

# Sweetspot

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



46, 10.896, 351.609



65, 3.618, 350.288



46, 14.789, 313.229



33, 2.458, 350.349



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



46, 10.896, 351.609



57, 16.317, 352.062



46, 8.936, 29.118



25, 3.353, 350.692



26, 50.651, 10.703



0, 0.000, 0.000



# Inverse Universe

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



46, 10.896, 351.609



57, 16.317, 352.062



50, 7.943, 208.414



25, 3.353, 350.692



26, 50.651, 10.703



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 46, 10.898, 351.605 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 46, 10.898, 351.605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

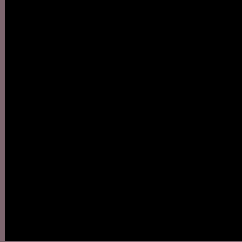
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 46, 10.898, 351.605**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 46, 10.898, 351.605.



This preview shows how white text looks on a background with the CIELCh color 46, 10.898, 351.605.

# 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

46, 10.898, 351.605

### Protanopia

46, 4.192, 296.228

### Deuteranopia

46, 6.133, 351.283





**Tritanopia**  
46, 10.647, 354.430

# Trichromacy



**Original Color**  
46, 10.898, 351.605

**Protanomaly**  
46, 6.026, 328.011

**Deuteranomaly**  
46, 7.511, 352.125

**Tritanomaly**  
46, 10.647, 354.430

# Monochromacy



**Original Color**  
46, 10.898, 351.605

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
46, 3.746, 351.493

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 10.898, 351.605 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(126, 103, 112)` looks like.

```
.text, #text, p{  
    color:rgb(126, 103, 112)  
}
```

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(126, 103, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 103, 112) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 10.898, 351.605 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(126, 103, 112) }
```

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

```
.border{ border-color:rgb(126, 103, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 103, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 103, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 103, 112);  
box-shadow:4px 4px 4px 4px rgb(126, 103,  
112) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 10.898, 351.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 103, 112) }
```

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

```
.background{ background-color: rgb(126,  
103, 112) }
```

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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