

Converting Colors

CIELCh(46, 1.799, 47.432)

Have a look what the booklet for
CIELCh(46, 1.799, 47.432) contains.

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Color

CIELCh(46, 1.748, 39.188)

Conversions

Conversions Part 1

Format	Color
Hex	706C6B
RGB	112, 108, 107
RGB Percent	44%, 42%, 42%
CMY	0.5603, 0.5760, 0.5799
CMYK	0.00, 0.04, 0.04, 0.56
HSL	12°, 2%, 43%
HSV	12°, 4%, 44%
XYZ	14.7343, 15.2687, 16.1150
YIQ	109.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

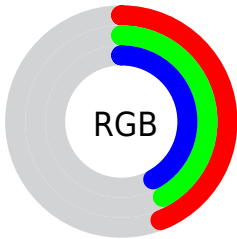
Format	Color
RYB	112, 108, 107
Decimal	7367787
CIELab	46.00, 1.35, 1.10
CIELCh	46, 1.748, 39.188
Yxy	15.2687, 0.3195, 0.3311
Android (android.graphics.Color)	4285557867 (0xFF706C6B)
YUV	109.0820, -1.0264, 2.5591
Hunter-Lab	39.0751, -1.0736, 2.9008

Details

The CIELCh color $46, 1.748, 39.188$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 1.706, 219.839$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 1.993, 35.428$, and $26, 1.512, 45.025$ is the 20% darker color. If you saturate the color by 10%, you get $43, 5.891, 39.232$, and if you desaturate by 10%, it is $49, 2.095, 219.829$.

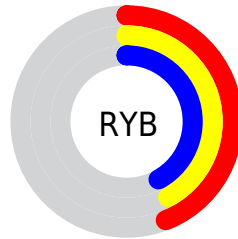
Distribution



Red (44%)

Green (42%)

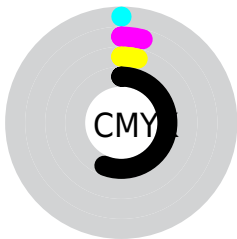
Blue (42%)



Red (44%)

Yellow (42%)

Blue (42%)

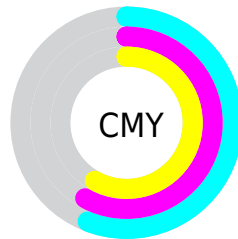


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (56%)



Cyan (56%)













Magenta (58%)









Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 1.748, 39.188 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, 1.748, 39.188 by changing the saturation by 10% instead.

 46, 1.748, 39.188	 46, 1.748, 39.188
 100, 1.748, 39.188	 36, 1.748, 39.188
 66, 1.748, 39.188	 26, 1.748, 39.188
 76, 1.748, 39.188	 16, 1.748, 39.188
 86, 1.748, 39.188	 6, 1.748, 39.188
 96, 1.748, 39.188	 0, 1.748, 39.188

 46, 1.748, 39.188	 46, 1.748, 39.188
 43, 5.891, 39.232	 49, 2.095, 219.829
 40, 10.366, 39.211	 52, 5.665, 219.998
 38, 15.194, 39.301	 55, 8.994, 220.290

35, 20.389, 39.546

58, 12.110,
220.622

32, 25.942, 39.978

61, 15.037,
220.977

30, 31.812, 40.621

28, 37.894, 41.460

64, 17.798,
221.345

26, 43.962, 42.394

67, 20.413,
221.719

25, 49.184, 42.706

70, 22.900,
222.093

72, 25.274,
222.466

Harmonies

Complementary

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



46, 1.748, 39.188



47, 1.706, 219.839

Rectangle

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



46, 1.748, 39.188



46, 1.748, 89.188



46, 1.748, 219.188



46, 1.748, 269.188

Sweetspot

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



46, 1.748, 39.235



60, 0.477, 38.609



46, 3.152, 330.725



31, 0.273, 38.533



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 1.748, 39.235



59, 2.430, 39.250



47, 2.149, 93.123



23, 1.328, 39.254



26, 54.832, 43.198



54, 97.533, 43.083

Inverse Universe

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



47, 1.706, 219.839



59, 2.362, 219.830



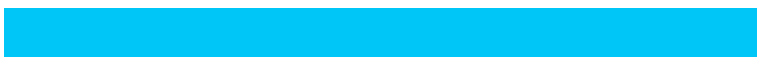
46, 2.161, 274.284



23, 1.288, 219.828



37, 25.061, 234.046



74, 43.025, 236.450

Previews

White Background



This preview shows how the CIELCh color 46, 1.748, 39.188 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, 1.748, 39.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

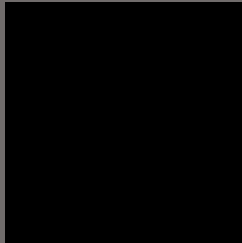
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

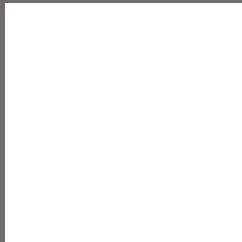
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 1.748, 39.188

Background



This preview shows how black text looks on a background with the CIELCh color 46, 1.748, 39.188.



This preview shows how white text looks on a background with the CIELCh color 46, 1.748, 39.188.

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, 1.748, 39.188

Protanopia

46, 1.364, 45.017

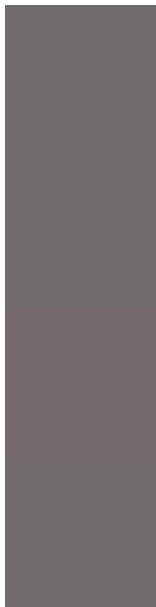
Deuteranopia

46, 6.497, 4.336



Tritanopia
46, 5.365, 317.551

Trichromacy



Original Color

46, 1.748, 39.188

Protanomaly

46, 1.364, 45.017

Deuteranomaly

46, 4.719, 5.399

Tritanomaly

46, 3.870, 329.643

Monochromacy



Original Color

46, 1.748, 39.188

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 0.712, 74.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 1.748, 39.188 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(112, 108, 107)` looks like.

```
.text, #text, p{  
    color:rgb(112, 108, 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(112, 108, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 108, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 1.748, 39.188 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(112, 108, 107) }
```

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

```
.border{ border-color:rgb(112, 108, 107) }
```

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

Here you see how a box with a 4 pixel rgb(112, 108, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 108, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 108, 107);  
box-shadow:4px 4px 4px 4px rgb(112, 108,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 1.748, 39.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 108, 107) }
```

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

```
.background{ background-color: rgb(112,  
108, 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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