

Converting Colors

CIELCh(46, 3.778, 10.759)

Have a look what the booklet for
CIELCh(46, 3.778, 10.759) contains.

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Color

CIELCh(46, 3.778, 10.772)

Conversions

Conversions Part 1

Format	Color
Hex	746B6C
RGB	116, 107, 108
RGB Percent	45%, 42%, 42%
CMY	0.5457, 0.5809, 0.5770
CMYK	0.00, 0.08, 0.07, 0.55
HSL	353°, 4%, 44%
HSV	353°, 8%, 45%
XYZ	15.1255, 15.2687, 16.2977
YIQ	109.8050, 5.0430, 2.2190

Conversions

Conversions Part 2

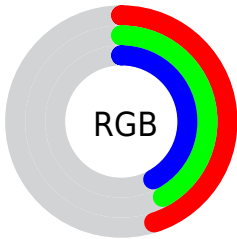
Format	Color
R_{YB}	116, 107, 108
Decimal	7629676
CIE Lab	46.00, 3.71, 0.71
CIE LCh	46, 3.778, 10.772
Yxy	15.2687, 0.3239, 0.3270
Android (android.graphics.Color)	4285819756 (0xFF746B6C)
YUV	109.8050, -0.8899, 5.4330
Hunter-Lab	39.0751, 0.7136, 2.6236

Details

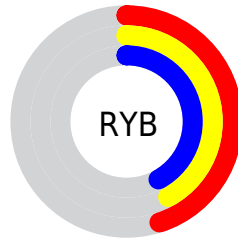
The CIELCh color $46, 3.778, 10.772$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.640, 189.781$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 3.897, 11.504$, and $26, 3.728, 9.977$ is the 20% darker color. If you saturate the color by 10%, you get $42, 8.907, 11.770$, and if you desaturate by 10%, it is $50, 1.052, 190.445$.

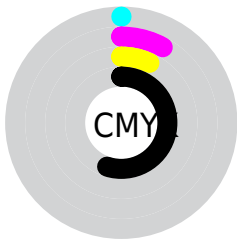
Distribution



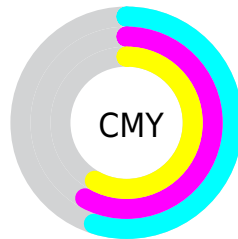
- Red (45%)
- Green (42%)
- Blue (42%)



- Red (45%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (7%)
- Black (55%)











- Cyan (55%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.778, 10.772 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, 3.778, 10.772 by changing the saturation by 10% instead.

 46, 3.778, 10.772	 46, 3.778, 10.772
 100, 3.778, 10.772	 36, 3.778, 10.772
 66, 3.778, 10.772	 26, 3.778, 10.772
 76, 3.778, 10.772	 16, 3.778, 10.772
 86, 3.778, 10.772	 6, 3.778, 10.772
 96, 3.778, 10.772	 0, 3.778, 10.772

 46, 3.778, 10.772	 46, 3.778, 10.772
 42, 8.907, 11.770	 50, 1.052, 190.445
 39, 14.331, 12.906	 53, 5.587, 189.507
 36, 20.010, 14.290	 57, 9.847, 188.907

■ 33, 25.868, 16.008

■ 61, 13.857,
188.398

■ 30, 31.777, 18.165

■ 64, 17.639,
187.952

■ 27, 37.569, 20.877

■ 25, 43.058, 24.241

■ 68, 21.220,
187.556

■ 24, 48.082, 28.259

■ 72, 24.620,
187.202

■ 23, 52.638, 32.266

■ 75, 27.860,
186.882

■ 79, 30.957,
186.591

Harmonies

Complementary

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



46, 3.778, 10.772



48, 3.640, 189.781

Rectangle

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



46, 3.778, 10.772



46, 3.778, 60.772



46, 3.778, 190.772



46, 3.778, 240.772

Sweetspot

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



46, 3.777, 10.788



61, 1.185, 10.058



46, 6.264, 321.569



32, 0.679, 10.016



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 3.777, 10.788



58, 5.447, 10.929



47, 3.063, 61.058



23, 2.776, 10.912



24, 56.001, 33.310



52, 97.994, 36.134

Inverse Universe

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



46, 3.777, 10.788



58, 5.447, 10.929



47, 2.973, 242.739



23, 2.776, 10.912



24, 56.001, 33.310



52, 97.994, 36.134

Previews

White Background



This preview shows how the CIELCh color 46, 3.778, 10.772 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, 3.778, 10.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

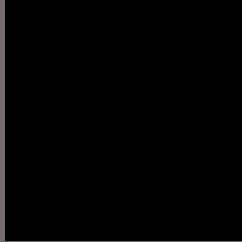
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 3.778, 10.772

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.778, 10.772.



This preview shows how white text looks on a background with the CIELCh color 46, 3.778, 10.772.

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, 3.778, 10.772

Protanopia

46, 1.373, 353.704

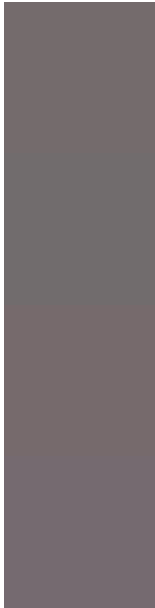
Deuteranopia

46, 6.497, 4.336



Tritanopia
46, 6.554, 333.766

Trichromacy



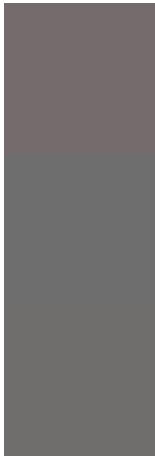
Original Color
46, 3.778, 10.772

Protanomaly
46, 2.145, 3.473

Deuteranomaly
46, 5.127, 6.645

Tritanomaly
46, 5.763, 341.949

Monochromacy



Original Color
46, 3.778, 10.772

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.231, 19.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.778, 10.772 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(116, 107, 108)` looks like.

```
.text, #text, p{  
    color:rgb(116, 107, 108)  
}
```

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(116, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 107, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.778, 10.772 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(116, 107, 108) }
```

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

```
.border{ border-color:rgb(116, 107, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 107, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(116, 107,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.778, 10.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 107, 108) }
```

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

```
.background{ background-color: rgb(116,  
107, 108) }
```

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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