

Converting Colors

CIELCh(46, 3.776, 18.140)

Have a look what the booklet for
CIELCh(46, 3.776, 18.140) contains.

CIELCh(46, 3.739, 19.766)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 3.739, 19.766)

Conversions

Conversions Part 1

Format	Color
Hex	746B6B
RGB	116, 107, 107
RGB Percent	45%, 42%, 42%
CMY	0.5454, 0.5807, 0.5807
CMYK	0.00, 0.08, 0.08, 0.55
HSL	0°, 4%, 44%
HSV	0°, 8%, 45%
XYZ	15.0932, 15.2687, 16.0420
YIQ	109.6910, 5.3640, 1.9080

Conversions

Conversions Part 2

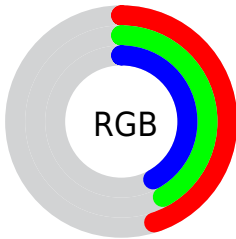
Format	Color
R_{YB}	116, 107, 107
Decimal	7629675
CIE Lab	46.00, 3.52, 1.26
CIE LCh	46, 3.739, 19.766
Yxy	15.2687, 0.3253, 0.3290
Android (android.graphics.Color)	4285819755 (0xFF746B6B)
YUV	109.6910, -1.3267, 5.5330
Hunter-Lab	39.0751, 0.5662, 3.0116

Details

The CIELCh color $46, 3.739, 19.766$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.569, 199.125$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 3.861, 19.639$, and $26, 3.688, 20.006$ is the 20% darker color. If you saturate the color by 10%, you get $42, 8.881, 20.565$, and if you desaturate by 10%, it is $50, 1.037, 199.672$.

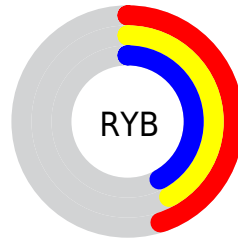
Distribution



Red (45%)

Green (42%)

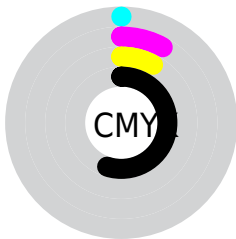
Blue (42%)



Red (45%)

Yellow (42%)

Blue (42%)

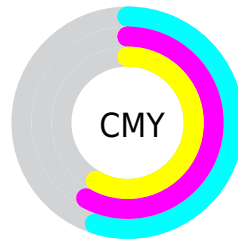


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (55%)



Cyan (55%)

Magenta (58%)




Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.739, 19.766 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, 3.739, 19.766 by changing the saturation by 10% instead.

 46, 3.739, 19.766	 46, 3.739, 19.766
 100, 3.739, 19.766	 36, 3.739, 19.766
 66, 3.739, 19.766	 26, 3.739, 19.766
 76, 3.739, 19.766	 16, 3.739, 19.766
 86, 3.739, 19.766	 6, 3.739, 19.766
 96, 3.739, 19.766	 0, 3.739, 19.766

 46, 3.739, 19.766	 46, 3.739, 19.766
 42, 8.881, 20.565	 50, 1.037, 199.672
 39, 14.401, 21.507	 53, 5.469, 198.930
 36, 20.284, 22.708	 57, 9.589, 198.537

■ 33, 26.475, 24.256

■ 61, 13.429,
198.232

■ 30, 32.873, 26.247

■ 64, 17.023,
197.985

■ 27, 39.319, 28.765

■ 25, 45.596, 31.823

■ 68, 20.400,
197.782

■ 24, 51.308, 35.110

■ 72, 23.586,
197.614

■ 23, 55.470, 37.098

■ 75, 26.604,
197.473

■ 79, 29.475,
197.354

Harmonies

Complementary

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



46, 3.739, 19.766



48, 3.569, 199.125

Rectangle

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



46, 3.739, 19.766



46, 3.739, 69.766



46, 3.739, 199.766



46, 3.739, 249.766

Sweetspot

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



46, 3.738, 19.785



61, 1.168, 19.160



46, 6.494, 324.819



32, 0.669, 19.120



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, 3.738, 19.785



58, 5.395, 19.897



47, 3.231, 74.449



23, 2.750, 19.883



24, 59.039, 37.993



52, 102.984, 40.002

Inverse Universe

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



48, 3.569, 199.125



61, 5.106, 199.034



47, 3.181, 256.438



24, 2.605, 199.045



46, 29.101, 196.421



89, 49.337, 196.423

Previews

White Background



This preview shows how the CIELCh color 46, 3.739, 19.766 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, 3.739, 19.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

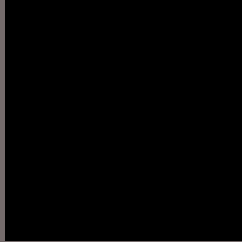
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

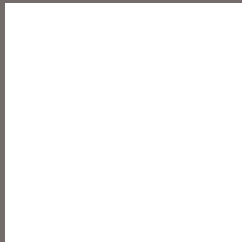
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 3.739, 19.766

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.739, 19.766.



This preview shows how white text looks on a background with the CIELCh color 46, 3.739, 19.766.

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, 3.739, 19.766

Protanopia

46, 1.233, 19.268

Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 6.554, 333.766

Trichromacy



Original Color

46, 3.739, 19.766

Protanomaly

46, 2.061, 19.483

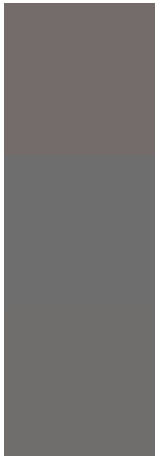
Deuteranomaly

46, 5.457, 13.807

Tritanomaly

46, 5.423, 346.900

Monochromacy



Original Color

46, 3.739, 19.766

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, 3.739, 19.766 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(116, 107, 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(116, 107, 107) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 46, 3.739, 19.766 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, 107) }
```

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

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

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, 107)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 46, 3.739, 19.766 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, 107) }
```

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

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