

Converting Colors

CIELCh(46, 4.777, 32.692)

Have a look what the booklet for
CIELCh(46, 4.777, 32.692) contains.

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Color

CIELCh(46, 4.760, 34.225)

Conversions

Conversions Part 1

Format	Color
Hex	766B69
RGB	118, 107, 105
RGB Percent	46%, 42%, 41%
CMY	0.5388, 0.5819, 0.5898
CMYK	0.00, 0.09, 0.11, 0.54
HSL	9°, 6%, 44%
HSV	9°, 11%, 46%
XYZ	15.1631, 15.2687, 15.4069
YIQ	110.0610, 7.1980, 1.7100

Conversions

Conversions Part 2

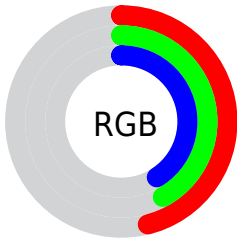
Format	Color
R_{YB}	118, 107, 105
Decimal	7760745
CIE _{Lab}	46.00, 3.94, 2.68
CIE _{LCh}	46, 4.760, 34.225
Yxy	15.2687, 0.3308, 0.3331
Android (android.graphics.Color)	4285950825 (0xFF766B69)
YUV	110.0610, -2.4951, 6.9625
Hunter-Lab	39.0751, 0.8853, 3.9752

Details

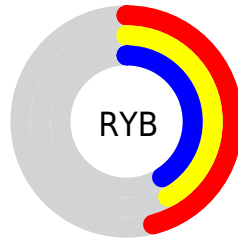
The CIELCh color $46, 4.760, 34.225$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 4.448, 214.447$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.787, 33.030$, and $26, 4.861, 35.630$ is the 20% darker color. If you saturate the color by 10%, you get $43, 9.435, 34.424$, and if you desaturate by 10%, it is $49, 0.433, 33.425$.

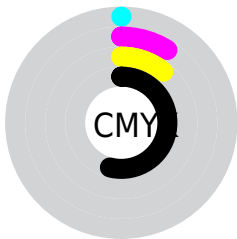
Distribution



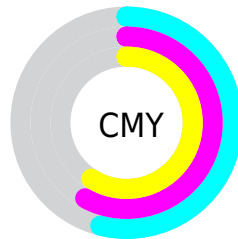
- Red (46%)
- Green (42%)
- Blue (41%)



- Red (46%)
- Yellow (42%)
- Blue (41%)



- Cyan (0%)
- Magenta (9%)
- Yellow (11%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 4.760, 34.225 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, 4.760, 34.225 by changing the saturation by 10% instead.

 46, 4.760, 34.225  46, 4.760, 34.225

 100, 4.760, 34.225  36, 4.760, 34.225

 66, 4.760, 34.225  26, 4.760, 34.225

 76, 4.760, 34.225  16, 4.760, 34.225

 86, 4.760, 34.225  6, 4.760, 34.225

 96, 4.760, 34.225  0, 4.760, 34.225

 46, 4.760, 34.225  46, 4.760, 34.225

 43, 9.435, 34.424  49, 0.433, 33.425

 40, 14.486, 34.722  52, 3.574, 214.443

 37, 19.923, 35.194  56, 7.294, 214.502

■ 34, 25.738, 35.887

■ 59, 10.759,
214.644

■ 32, 31.889, 36.839

■ 62, 13.999,
214.827

■ 29, 38.276, 38.067

■ 27, 44.702, 39.509

■ 65, 17.040,
215.036

■ 26, 50.624, 40.764

■ 68, 19.906,
215.263

■ 25, 54.819, 41.407

■ 72, 22.619,
215.501

■ 75, 25.197,
215.745

Harmonies

Complementary

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



46, 4.760, 34.225



48, 4.448, 214.447

Rectangle

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



46, 4.760, 34.225



46, 4.760, 84.225



46, 4.760, 214.225



46, 4.760, 264.225

Sweetspot

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



46, 4.759, 34.243



62, 1.553, 33.997



46, 8.447, 329.447



32, 1.174, 34.052



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, 4.759, 34.243



58, 7.011, 34.279



48, 5.307, 88.422



23, 2.400, 34.210



26, 56.769, 41.624



54, 99.987, 41.894

Inverse Universe

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



48, 4.448, 214.447



61, 6.454, 214.465



46, 5.292, 271.197



24, 2.273, 214.442



40, 25.325, 224.373



78, 42.888, 226.153

Previews

White Background



This preview shows how the CIELCh color 46, 4.760, 34.225 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 CIELCh color 46, 4.760, 34.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

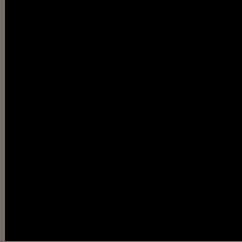
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 4.760, 34.225

Background



This preview shows how black text looks on a background with the CIELCh color 46, 4.760, 34.225.



This preview shows how white text looks on a background with the CIELCh color 46, 4.760, 34.225.

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, 4.760, 34.225

Protanopia

46, 2.155, 74.695

Deuteranopia

46, 6.735, 20.186



Tritanopia
46, 7.462, 340.839

Trichromacy



Original Color

46, 4.760, 34.225

Protanomaly

46, 3.058, 55.001

Deuteranomaly

46, 5.916, 25.777

Tritanomaly

46, 5.502, 354.549

Monochromacy



Original Color

46, 4.760, 34.225

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.745, 39.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 4.760, 34.225 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(118, 107, 105)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 105)  
}
```

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(118, 107, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 4.760, 34.225 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(118, 107, 105) }
```

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

```
.border{ border-color:rgb(118, 107, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 105);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 4.760, 34.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 105) }
```

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

```
.background{ background-color: rgb(118,  
107, 105) }
```

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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