

Converting Colors

CIELCh(46, 2.997, 39.286)

Have a look what the booklet for
CIELCh(46, 2.997, 39.286) contains.

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Color

CIELCh(46, 2.752, 45.003)

Conversions

Conversions Part 1

Format	Color
Hex	726C6A
RGB	114, 108, 106
RGB Percent	45%, 42%, 42%
CMY	0.5539, 0.5774, 0.5853
CMYK	0.00, 0.05, 0.07, 0.55
HSL	15°, 4%, 43%
HSV	15°, 7%, 45%
XYZ	14.8317, 15.2687, 15.7334
YIQ	109.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

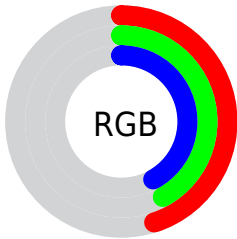
Format	Color
R_{YB}	114, 109, 106
Decimal	7498858
CIE _{Lab}	46.00, 1.95, 1.95
CIE _{LCh}	46, 2.752, 45.003
Yxy	15.2687, 0.3236, 0.3331
Android (android.graphics.Color)	4285688938 (0xFF726C6A)
YUV	109.5660, -1.7580, 3.8886
Hunter-Lab	39.0751, -0.6284, 3.4797

Details

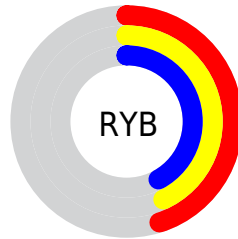
The CIELCh color $46, 2.752, 45.003$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 2.649, 225.914$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 2.910, 41.762$, and $26, 2.645, 49.156$ is the 20% darker color. If you saturate the color by 10%, you get $43, 6.923, 44.752$, and if you desaturate by 10%, it is $49, 1.124, 225.893$.

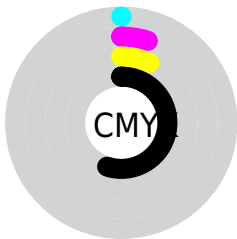
Distribution



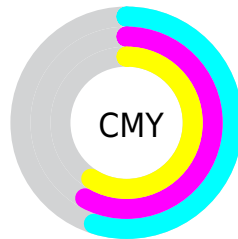
- Red (45%)
- Green (42%)
- Blue (42%)



- Red (45%)
- Yellow (43%)
- Blue (42%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (55%)



- Cyan (55%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 2.752, 45.003 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, 2.752, 45.003 by changing the saturation by 10% instead.

 46, 2.752, 45.003	 46, 2.752, 45.003
 100, 2.752, 45.003	 36, 2.752, 45.003
 66, 2.752, 45.003	 26, 2.752, 45.003
 76, 2.752, 45.003	 16, 2.752, 45.003
 86, 2.752, 45.003	 6, 2.752, 45.003
 96, 2.752, 45.003	 0, 2.752, 45.003

 46, 2.752, 45.003	 46, 2.752, 45.003
 43, 6.923, 44.752	 49, 1.124, 225.893
 41, 11.419, 44.496	 52, 4.733, 226.123
 38, 16.263, 44.336	 54, 8.106, 226.589

■ 35, 21.468, 44.304

■ 57, 11.269,
227.092

■ 33, 27.024, 44.422

■ 60, 14.247,
227.611

■ 31, 32.885, 44.695

■ 29, 38.927, 45.082

■ 63, 17.064,
228.135

■ 27, 44.873, 45.438

■ 66, 19.737,
228.659

■ 25, 49.940, 45.224

■ 68, 22.285,
229.177

■ 71, 24.722,
229.686

Harmonies

Complementary

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



46, 2.752, 45.003



47, 2.649, 225.914

Rectangle

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



46, 2.752, 45.003



46, 2.752, 95.003



46, 2.752, 225.003



46, 2.752, 275.003

Sweetspot

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



46, 2.752, 45.034



61, 0.951, 44.921



46, 4.860, 332.726



31, 0.537, 44.889



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, 2.752, 45.034



59, 3.900, 45.007



47, 3.622, 96.417



22, 2.193, 44.987



26, 53.746, 45.400



55, 95.400, 44.741

Inverse Universe

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



47, 2.649, 225.914



60, 3.729, 225.959



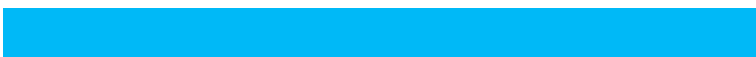
46, 3.648, 278.074



23, 2.087, 225.993



35, 25.931, 244.380



71, 44.952, 247.239

Previews

White Background



This preview shows how the CIELCh color 46, 2.752, 45.003 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, 2.752, 45.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

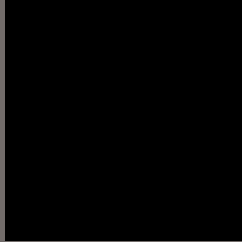
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 2.752, 45.003

Background



This preview shows how black text looks on a background with the CIELCh color 46, 2.752, 45.003.



This preview shows how white text looks on a background with the CIELCh color 46, 2.752, 45.003.

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

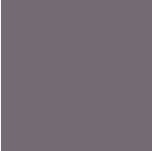
46, 2.752, 45.003

Protanopia

46, 2.027, 55.139

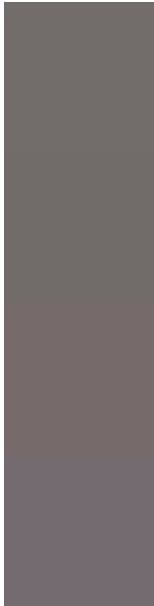
Deuteranopia

46, 6.314, 14.774



Tritanopia
46, 6.504, 324.822

Trichromacy



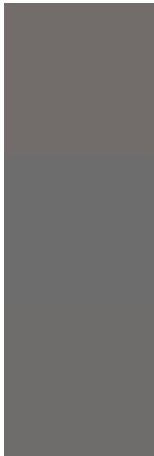
Original Color
46, 2.752, 45.003

Protanomaly
46, 2.379, 49.300

Deuteranomaly
46, 5.016, 19.950

Tritanomaly
46, 4.436, 337.914

Monochromacy



Original Color
46, 2.752, 45.003

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.005, 55.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 2.752, 45.003 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(114, 108, 106)` looks like.

```
.text, #text, p{  
    color:rgb(114, 108, 106)  
}
```

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(114, 108, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 108, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 2.752, 45.003 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(114, 108, 106) }
```

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

```
.border{ border-color:rgb(114, 108, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 108, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 108, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 108, 106);  
box-shadow:4px 4px 4px 4px rgb(114, 108,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 2.752, 45.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 108, 106) }
```

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

```
.background{ background-color: rgb(114,  
108, 106) }
```

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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