

Converting Colors

CIELCh(46, 3.934, 50.885)

Have a look what the booklet for
CIELCh(46, 3.934, 50.885) contains.

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Color

CIELCh(46, 3.786, 47.620)

Conversions

Conversions Part 1

Format	Color
Hex	736B68
RGB	115, 107, 104
RGB Percent	45%, 42%, 41%
CMY	0.5476, 0.5789, 0.5907
CMYK	0.00, 0.07, 0.10, 0.55
HSL	16°, 5%, 43%
HSV	16°, 10%, 45%
XYZ	14.9321, 15.2687, 15.3540
YIQ	109.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

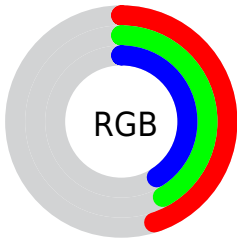
Format	Color
R_{YB}	115, 108, 104
Decimal	7564136
CIE Lab	46.00, 2.55, 2.80
CIE LCh	46, 3.786, 47.620
Yxy	15.2687, 0.3278, 0.3352
Android (android.graphics.Color)	4285754216 (0xFF736B68)
YUV	109.0500, -2.4896, 5.2182
Hunter-Lab	39.0751, -0.1697, 4.0555

Details

The CIELCh color $46, 3.786, 47.620$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 3.597, 228.878$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 3.858, 44.994$, and $26, 3.813, 50.655$ is the 20% darker color. If you saturate the color by 10%, you get $43, 8.049, 47.244$, and if you desaturate by 10%, it is $49, 0.179, 230.180$.

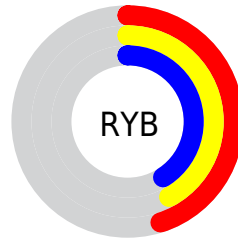
Distribution



Red (45%)

Green (42%)

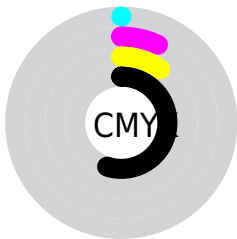
Blue (41%)



Red (45%)

Yellow (42%)

Blue (41%)

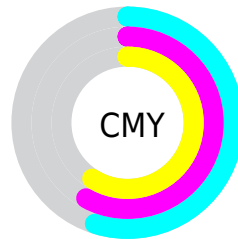


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (55%)



Cyan (55%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.786, 47.620 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, 3.786, 47.620 by changing the saturation by 10% instead.

■ 46, 3.786, 47.620 ■ 46, 3.786, 47.620

■ 100, 3.786, 47.620 ■ 36, 3.786, 47.620

■ 66, 3.786, 47.620 ■ 26, 3.786, 47.620

■ 76, 3.786, 47.620 ■ 16, 3.786, 47.620

■ 86, 3.786, 47.620 ■ 6, 3.786, 47.620

■ 96, 3.786, 47.620 ■ 0, 3.786, 47.620

■ 46, 3.786, 47.620 ■ 46, 3.786, 47.620

■ 43, 8.049, 47.244 ■ 49, 0.179, 230.180

■ 41, 12.638, 46.890 ■ 51, 3.875, 228.880

■ 38, 17.575, 46.628 ■ 54, 7.331, 229.413

36, 22.870, 46.485

57, 10.576,
229.990

33, 28.508, 46.475

60, 13.634,
230.582

31, 34.428, 46.590

29, 40.475, 46.767

63, 16.528,
231.176

27, 46.304, 46.813

65, 19.277,
231.766

26, 51.265, 46.434

68, 21.900,
232.348

71, 24.410,
232.918

Harmonies

Complementary

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



46, 3.786, 47.620



47, 3.597, 228.878

Rectangle

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



46, 3.786, 47.620



46, 3.786, 97.620



46, 3.786, 227.620



46, 3.786, 277.620

Sweetspot

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



46, 3.786, 47.644



61, 1.444, 47.766



45, 6.604, 333.538



32, 1.106, 47.785



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, 3.786, 47.644



59, 5.461, 47.575



48, 5.070, 97.252



23, 2.260, 47.662



28, 54.205, 46.584



57, 95.093, 45.621

Inverse Universe

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



47, 3.597, 228.878



60, 5.136, 228.984



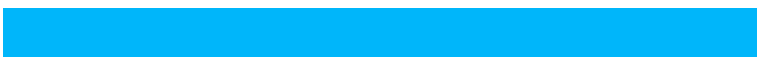
45, 5.115, 279.457



24, 2.154, 228.851



35, 27.001, 248.999



70, 46.671, 251.907

Previews

White Background



This preview shows how the CIELCh color 46, 3.786, 47.620 looks on a white background.

Color Contrast Check

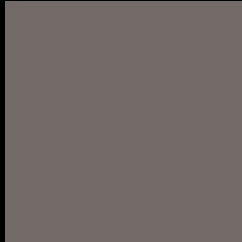
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.786, 47.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

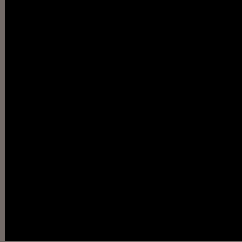
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 3.786, 47.620

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.786, 47.620.



This preview shows how white text looks on a background with the CIELCh color 46, 3.786, 47.620.

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, 3.786, 47.620

Protanopia

46, 2.422, 66.554

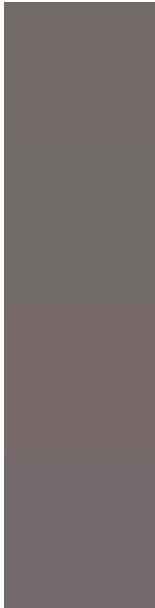
Deuteranopia

46, 6.735, 20.186



Tritanopia
46, 6.554, 333.766

Trichromacy



Original Color

46, 3.786, 47.620

Protanomaly

46, 2.725, 60.108

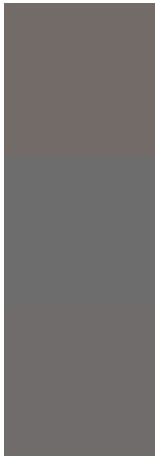
Deuteranomaly

46, 5.490, 26.170

Tritanomaly

46, 4.766, 350.092

Monochromacy



Original Color

46, 3.786, 47.620

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.364, 45.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.786, 47.620 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(115, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(115, 107, 104)  
}
```

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(115, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 107, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.786, 47.620 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(115, 107, 104) }
```

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

```
.border{ border-color:rgb(115, 107, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 107, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(115, 107,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.786, 47.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 107, 104) }
```

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

```
.background{ background-color: rgb(115,  
107, 104) }
```

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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