

Converting Colors

CIELCh(46, 3.772, 37.356)

Have a look what the booklet for
CIELCh(46, 3.772, 37.356) contains.

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Color

CIELCh(46, 3.941, 37.204)

Conversions

Conversions Part 1

Format	Color
Hex	746B69
RGB	116, 107, 105
RGB Percent	45%, 42%, 41%
CMY	0.5448, 0.5801, 0.5880
CMYK	0.00, 0.08, 0.09, 0.54
HSL	11°, 5%, 43%
HSV	11°, 9%, 46%
XYZ	15.0298, 15.2687, 15.5378
YIQ	109.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

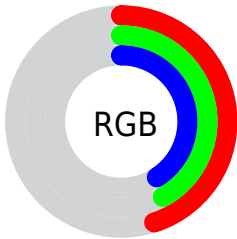
Format	Color
R_{YB}	116, 107, 105
Decimal	7629673
CIE _{Lab}	46.00, 3.14, 2.38
CIE _{LCh}	46, 3.941, 37.204
Yxy	15.2687, 0.3279, 0.3331
Android (android.graphics.Color)	4285819753 (0xFF746B69)
YUV	109.4630, -2.2003, 5.7329
Hunter-Lab	39.0751, 0.2765, 3.7766

Details

The CIELCh color $46, 3.941, 37.204$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 3.723, 217.687$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.026, 35.536$, and $26, 3.950, 39.191$ is the 20% darker color. If you saturate the color by 10%, you get $43, 8.423, 37.265$, and if you desaturate by 10%, it is $49, 0.210, 219.174$.

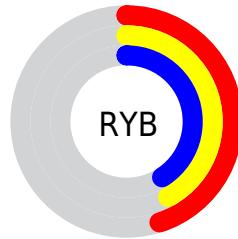
Distribution



Red (45%)

Green (42%)

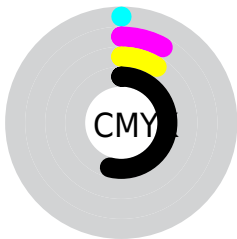
Blue (41%)



Red (45%)

Yellow (42%)

Blue (41%)

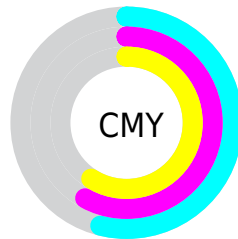


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (58%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.941, 37.204 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, 3.941, 37.204 by changing the saturation by 10% instead.

 46, 3.941, 37.204	 46, 3.941, 37.204
 100, 3.941, 37.204	 36, 3.941, 37.204
 66, 3.941, 37.204	 26, 3.941, 37.204
 76, 3.941, 37.204	 16, 3.941, 37.204
 86, 3.941, 37.204	 6, 3.941, 37.204
 96, 3.941, 37.204	 0, 3.941, 37.204

 46, 3.941, 37.204	 46, 3.941, 37.204
 43, 8.423, 37.265	 49, 0.210, 219.174
 40, 13.266, 37.392	 52, 4.058, 217.689
 37, 18.487, 37.667	 55, 7.636, 217.874

■ 35, 24.086, 38.132

■ 58, 10.974,
218.124

■ 32, 30.035, 38.819

■ 61, 14.100,
218.407

■ 30, 36.258, 39.741

■ 28, 42.587, 40.852

■ 64, 17.040,
218.710

■ 26, 48.623, 41.902

■ 68, 19.817,
219.025

■ 25, 53.436, 42.287

■ 71, 22.449,
219.347

■ 74, 24.954,
219.670

Harmonies

Complementary

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



46, 3.941, 37.204



47, 3.723, 217.687

Rectangle

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



46, 3.941, 37.204



46, 3.941, 87.204



46, 3.941, 217.204



46, 3.941, 267.204

Sweetspot

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



46, 3.940, 37.226



61, 1.504, 37.082



46, 7.080, 329.907



32, 1.152, 37.130



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, 3.940, 37.226



58, 5.696, 37.231



48, 4.570, 89.974



23, 2.356, 37.224



26, 56.227, 42.585



54, 99.017, 42.563

Inverse Universe

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



47, 3.723, 217.687



60, 5.320, 217.717



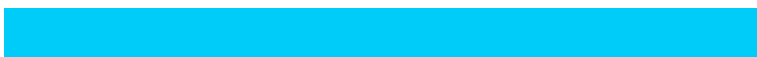
46, 4.570, 272.332



24, 2.232, 217.681



39, 25.317, 230.253



76, 43.020, 232.381

Previews

White Background



This preview shows how the CIELCh color 46, 3.941, 37.204 looks on a white background.

Color Contrast Check

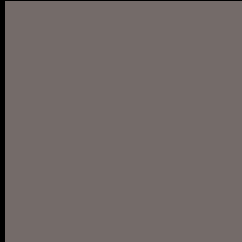
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.941, 37.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

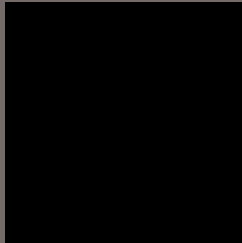
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 3.941, 37.204

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.941, 37.204.



This preview shows how white text looks on a background with the CIELCh color 46, 3.941, 37.204.

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, 3.941, 37.204

Protanopia

46, 2.027, 55.139

Deuteranopia

46, 6.735, 20.186



Tritanopia
46, 6.554, 333.766

Trichromacy



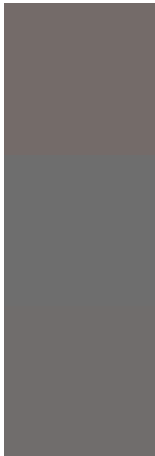
Original Color
46, 3.941, 37.204

Protanomaly
46, 2.379, 49.300

Deuteranomaly
46, 5.490, 26.170

Tritanomaly
46, 5.423, 346.900

Monochromacy



Original Color
46, 3.941, 37.204

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.362, 45.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.941, 37.204 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 107, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 107, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.941, 37.204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

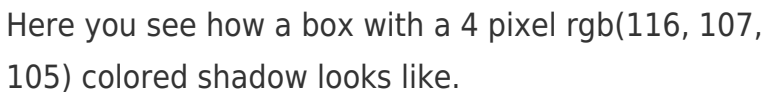
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 107, 105) }
```

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

```
.border{ border-color:rgb(116, 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(116, 107, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 107, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 107, 105); box-shadow:4px 4px 4px 4px rgb(116, 107, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.941, 37.204 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, 105) }
```

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

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