

Converting Colors

CIELCh(47, 5.736, 37.905)

Have a look what the booklet for
CIELCh(47, 5.736, 37.905) contains.

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Color

CIELCh(47, 5.743, 37.829)

Conversions

Conversions Part 1

Format	Color
Hex	7A6D6A
RGB	122, 109, 106
RGB Percent	48%, 43%, 42%
CMY	0.5228, 0.5738, 0.5855
CMYK	0.00, 0.11, 0.13, 0.52
HSL	11°, 7%, 45%
HSV	11°, 13%, 48%
XYZ	16.0018, 16.0195, 15.8001
YIQ	112.5450, 8.7110, 1.8230

Conversions

Conversions Part 2

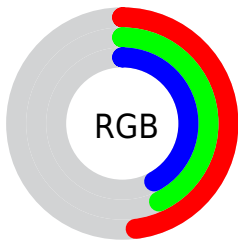
Format	Color
R_{YB}	122, 110, 106
Decimal	8023402
CIE Lab	47.00, 4.54, 3.52
CIE LCh	47, 5.743, 37.829
Yxy	16.0195, 0.3346, 0.3350
Android (android.graphics.Color)	4286213482 (0xFF7A6D6A)
YUV	112.5450, -3.2267, 8.2920
Hunter-Lab	40.0243, 1.3223, 4.6116

Details

The CIELCh color $47, 5.743, 37.829$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 5.299, 218.435$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 5.691, 36.625$, and $27, 5.516, 40.720$ is the 20% darker color. If you saturate the color by 10%, you get $44, 10.523, 37.878$, and if you desaturate by 10%, it is $50, 1.319, 37.722$.

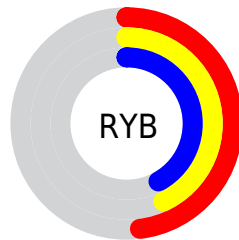
Distribution



Red (48%)

Green (43%)

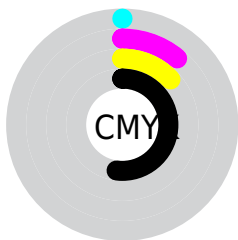
Blue (42%)



Red (48%)

Yellow (43%)

Blue (42%)

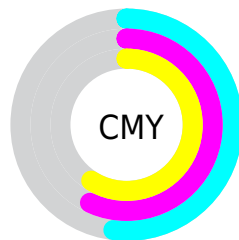


Cyan (0%)

Magenta (11%)

Yellow (13%)

Black (52%)



Cyan (52%)

Magenta (57%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.743, 37.829 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 47, 5.743, 37.829 by changing the saturation by 10% instead.

■ 47, 5.743, 37.829 ■ 47, 5.743, 37.829

■ 100, 5.743, 37.829 ■ 37, 5.743, 37.829

■ 67, 5.743, 37.829 ■ 27, 5.743, 37.829

■ 77, 5.743, 37.829 ■ 17, 5.743, 37.829

■ 87, 5.743, 37.829 ■ 7, 5.743, 37.829

■ 97, 5.743, 37.829 ■ 0, 5.743, 37.829

■ 47, 5.743, 37.829 ■ 47, 5.743, 37.829

■ 44, 10.523, 37.878 ■ 50, 1.319, 37.722

■ 41, 15.686, 38.026 ■ 53, 2.778, 218.323

■ 38, 21.246, 38.336 ■ 56, 6.583, 218.477

■ 35, 27.195, 38.846

■ 60, 10.128,
218.732

■ 33, 33.488, 39.584

■ 63, 13.444,
219.027

■ 31, 40.016, 40.543

■ 29, 46.542, 41.629

■ 66, 16.557,
219.345

■ 27, 52.425, 42.392

■ 69, 19.492,
219.676

■ 26, 55.826, 42.768

■ 72, 22.271,
220.015

■ 76, 24.913,
220.356

Harmonies

Complementary

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



47, 5.743, 37.829



49, 5.299, 218.435

Rectangle

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



47, 5.743, 37.829



47, 5.743, 87.829



47, 5.743, 217.829



47, 5.743, 267.829

Sweetspot

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



47, 5.742, 37.845



64, 2.090, 37.777



47, 10.106, 330.705



33, 1.481, 37.799



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

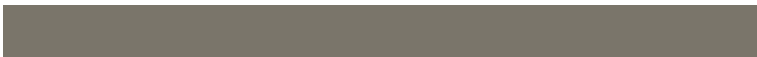
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 5.742, 37.845



59, 8.775, 37.847



49, 6.721, 90.859



24, 2.434, 37.843



27, 57.123, 42.879



55, 99.586, 42.701

Inverse Universe

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



49, 5.299, 218.435



62, 7.924, 218.532



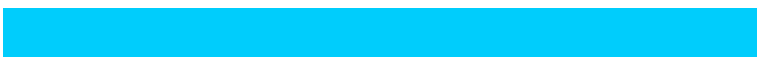
47, 6.726, 274.123



25, 2.305, 218.347



39, 25.726, 231.525



77, 43.438, 233.658

Previews

White Background



This preview shows how the CIELCh color 47, 5.743, 37.829 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 47, 5.743, 37.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

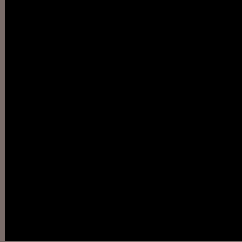
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 5.743, 37.829

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.743, 37.829.



This preview shows how white text looks on a background with the CIELCh color 47, 5.743, 37.829.

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


47, 5.743, 37.829

Protanopia

47, 2.871, 74.534

Deuteranopia

47, 6.847, 30.018



Tritanopia
47, 8.436, 341.390

Trichromacy



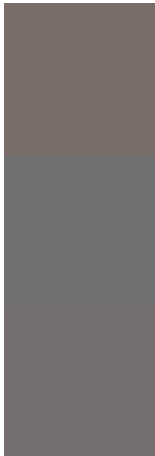
Original Color
47, 5.743, 37.829

Protanomaly
47, 3.399, 50.928

Deuteranomaly
47, 6.423, 30.628

Tritanomaly
47, 6.634, 359.392

Monochromacy



Original Color
47, 5.743, 37.829

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.134, 35.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.743, 37.829 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(122, 109, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 109, 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(122, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 109, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.743, 37.829 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(122, 109, 106) }
```

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

```
.border{ border-color:rgb(122, 109, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 109, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 109, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 109, 106); box-shadow:4px 4px 4px 4px rgb(122, 109, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.743, 37.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 109, 106) }
```

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

```
.background{ background-color: rgb(122,  
109, 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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