

Converting Colors

CIELCh(47, 38.150, 103.504)

Have a look what the booklet for
CIELCh(47, 38.150, 103.504)
contains.

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Color

CIELCh(47, 38.171, 103.466)

Conversions

Conversions Part 1

Format	Color
Hex	74722E
RGB	116, 114, 46
RGB Percent	45%, 45%, 18%
CMY	0.5441, 0.5520, 0.8187
CMYK	0.00, 0.02, 0.60, 0.54
HSL	58°, 43%, 32%
HSV	58°, 60%, 46%
XYZ	13.7792, 16.0195, 4.9748
YIQ	106.8460, 23.0200, -20.7240

Conversions

Conversions Part 2

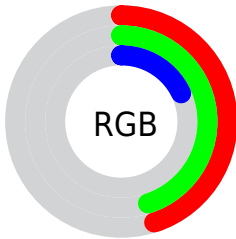
Format	Color
R_{YB}	48, 116, 46
Decimal	7631406
CIE Lab	47.00, -8.89, 37.12
CIE LCh	47, 38.171, 103.466
Yxy	16.0195, 0.3963, 0.4607
Android (android.graphics.Color)	4285821486 (0xFF74722E)
YUV	106.8460, -29.9971, 8.0281
Hunter-Lab	40.0243, -8.5901, 20.6477

Details

The CIELCh color **47, 38.171, 103.466** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 44.812, 298.037**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 38.210, 103.555**, and **27, 36.496, 103.781** is the 20% darker color. If you saturate the color by 10%, you get **47, 43.356, 102.697**, and if you desaturate by 10%, it is **47, 32.397, 104.320**.

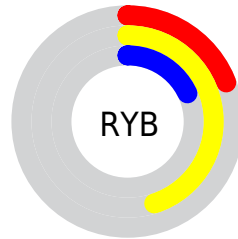
Distribution



Red (45%)

Green (45%)

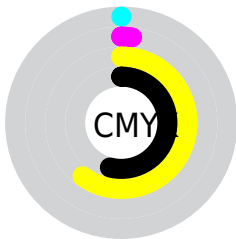
Blue (18%)



Red (19%)

Yellow (45%)

Blue (18%)

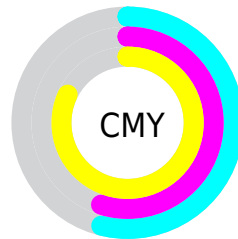


Cyan (0%)

Magenta (2%)

Yellow (60%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 38.171, 103.466 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, 38.171, 103.466 by changing the saturation by 10% instead.

 47, 38.171,
103.466

 47, 38.171,
103.466

 100, 38.171,
103.466

 37, 38.171,
103.466


 67, 38.171,
103.466

 27, 38.171,
103.466


 77, 38.171,
103.466

 17, 38.171,
103.466

 87, 38.171,
103.466

 7, 38.171, 103.466

 97, 38.171,
103.466

 0, 38.171, 103.466

 47, 38.171,

 47, 38.171,

103.466

■ 47, 43.356,
102.697

■ 47, 47.670,
102.038

■ 46, 50.810,
101.516

■ 46, 53.161,
101.093

103.466

■ 47, 32.397,
104.320

■ 48, 26.246,
105.226

■ 48, 19.864,
106.161

■ 48, 13.349,
107.109

■ 49, 6.763, 108.052

■ 49, 0.146, 108.645

■ 49, 6.475, 289.913

■ 50, 13.082,
290.792

■ 50, 19.663,

291.640

Harmonies

Complementary

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



47, 38.171, 103.466



24, 44.812, 298.037

Rectangle

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



47, 38.171, 103.466



47, 38.171, 153.466



47, 38.171, 283.466



47, 38.171, 333.466

Sweetspot

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



47, 38.172, 103.469



61, 14.678, 107.277



29, 34.103, 24.469



32, 10.272, 107.051



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 38.172, 103.469



60, 54.241, 102.447



45, 42.023, 125.305



24, 3.748, 108.163



49, 55.151, 101.083



94, 93.399, 100.982

Inverse Universe

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



24, 44.812, 298.037



26, 67.420, 301.013



26, 46.169, 310.985



22, 3.821, 289.919



13, 76.157, 305.724



32, 130.650, 306.051

Previews

White Background



This preview shows how the CIELCh color 47, 38.171, 103.466 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 47, 38.171, 103.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

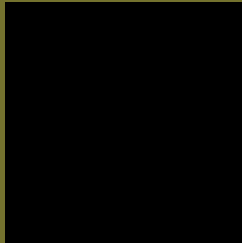
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 38.171, 103.466

Background



This preview shows how black text looks on a background with the CIELCh color 47, 38.171, 103.466.



This preview shows how white text looks on a background with the CIELCh color 47, 38.171, 103.466.

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, 38.171, 103.466

Protanopia

47, 38.220, 96.220

Deuteranopia

47, 36.711, 80.434



Tritanopia
47, 8.436, 341.390

Trichromacy



Original Color
47, 38.171, 103.466

Protanomaly
47, 38.404, 99.139

Deuteranomaly
47, 36.427, 89.072

Tritanomaly
47, 12.211, 85.306

Monochromacy



Original Color
47, 38.171, 103.466

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 14.720, 108.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 38.171, 103.466 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, 114, 46)` looks like.

```
.text, #text, p{  
    color:rgb(116, 114, 46)  
}
```

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, 114, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 114, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 38.171, 103.466 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, 114, 46) }
```

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

```
.border{ border-color:rgb(116, 114, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 114, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 114, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 114, 46);  
box-shadow:4px 4px 4px 4px rgb(116, 114,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 38.171, 103.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 114, 46) }
```

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

```
.background{ background-color: rgb(116,  
114, 46) }
```

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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