

Converting Colors

CIELCh(47, 37.470, 140.925)

Have a look what the booklet for
CIELCh(47, 37.470, 140.925)
contains.

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Color

CIELCh(47, 37.468, 140.875)

Conversions

Conversions Part 1

Format	Color
Hex	477B46
RGB	71, 123, 70
RGB Percent	28%, 48%, 27%
CMY	0.7206, 0.5167, 0.7246
CMYK	0.42, 0.00, 0.43, 0.52
HSL	119°, 27%, 38%
HSV	119°, 43%, 48%
XYZ	10.8414, 16.0195, 8.3519
YIQ	101.4100, -13.9790, -27.5070

Conversions

Conversions Part 2

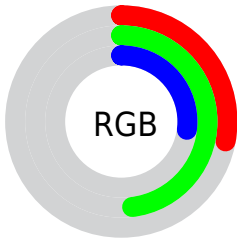
Format	Color
RYB	70, 123, 122
Decimal	4684614
CIELab	47.00, -29.07, 23.64
CIElCh	47, 37.468, 140.875
Yxy	16.0195, 0.3079, 0.4549
Android (android.graphics.Color)	4282874694 (0xFF477B46)
YUV	101.4100, -15.4851, -26.6696
Hunter-Lab	40.0243, -21.6924, 15.6449

Details

The CIELCh color $47, 37.468, 140.875$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $38, 37.437, 326.070$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 37.602, 140.929$, and $27, 37.596, 140.844$ is the 20% darker color. If you saturate the color by 10%, you get $46, 45.537, 139.899$, and if you desaturate by 10%, it is $48, 28.962, 141.759$.

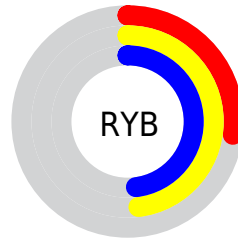
Distribution



Red (28%)

Green (48%)

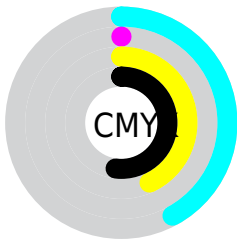
Blue (27%)



Red (27%)

Yellow (48%)

Blue (48%)

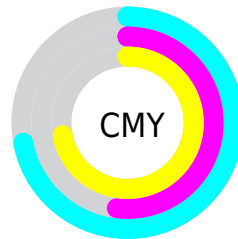


Cyan (42%)

Magenta (0%)

Yellow (43%)

Black (52%)



Cyan (72%)


Magenta (52%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 37.468, 140.875 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, 37.468, 140.875 by changing the saturation by 10% instead.


 47, 37.468,
140.875


 47, 37.468,
140.875


 100, 37.468,
140.875


 37, 37.468,
140.875

 67, 37.468,
140.875


 27, 37.468,
140.875

 77, 37.468,
140.875

 17, 37.468,
140.875

 87, 37.468,
140.875

 7, 37.468, 140.875

 97, 37.468,
140.875

 0, 37.468, 140.875

 47, 37.468,

 47, 37.468,

140.875

■ 46, 45.537,
139.899

■ 46, 52.915,
138.867

■ 45, 59.303,
137.852

■ 45, 64.370,
136.965

■ 45, 67.835,
136.328

■ 45, 69.797,
135.888

140.875

■ 48, 28.962,
141.759

■ 49, 20.220,
142.538

■ 50, 11.400,
143.217

■ 51, 2.623, 143.845

■ 53, 6.025, 324.239

■ 54, 14.485,
324.674

■ 56, 22.718,
325.035

■ 57, 30.704,
325.340

■ 59, 38.433,
325.601

Harmonies

Complementary

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



47, 37.468, 140.875



38, 37.437, 326.070

Rectangle

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



47, 37.468, 140.875



47, 37.468, 190.875



47, 37.468, 320.875



47, 37.468, 10.875

Sweetspot

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



47, 37.469, 140.875



64, 14.141, 143.198



50, 29.234, 104.730



33, 9.981, 143.076



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 37.469, 140.875



59, 55.451, 139.874



47, 26.573, 157.871



25, 4.892, 143.463



45, 70.492, 135.890



87, 118.782, 135.963

Inverse Universe

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



38, 37.437, 326.070



46, 55.228, 326.506



37, 27.652, 345.850



24, 4.901, 324.375



29, 68.186, 327.504



59, 114.787, 327.465

Previews

White Background



This preview shows how the CIELCh color 47, 37.468, 140.875 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, 37.468, 140.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

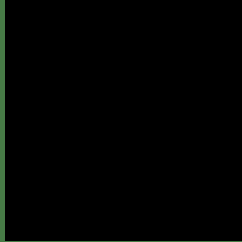
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 37.468, 140.875

Background



This preview shows how black text looks on a background with the CIELCh color 47, 37.468, 140.875.



This preview shows how white text looks on a background with the CIELCh color 47, 37.468, 140.875.

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, 37.468, 140.875

Protanopia

47, 26.578, 96.418

Deuteranopia

47, 22.877, 74.288



Tritanopia
47, 13.415, 221.756

Trichromacy



Original Color
47, 37.468, 140.875

Protanomaly
46, 27.690, 117.704

Deuteranomaly
46, 22.730, 108.137

Tritanomaly
47, 17.626, 171.498

Monochromacy



Original Color
47, 37.468, 140.875

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 14.384, 142.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 37.468, 140.875 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(71, 123, 70)` looks like.

```
.text, #text, p{  
    color:rgb(71, 123, 70)  
}
```

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(71, 123, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 123, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 37.468, 140.875 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(71, 123, 70) }
```

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

```
.border{ border-color:rgb(71, 123, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 123, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 123, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 123, 70);  
box-shadow:4px 4px 4px 4px rgb(71, 123,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 37.468, 140.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 123, 70) }
```

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

```
.background{ background-color: rgb(71, 123,  
70) }
```

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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