

Converting Colors

CIELCh(48, 38.104, 147.495)

Have a look what the booklet for
CIELCh(48, 38.104, 147.495)
contains.

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Color

CIELCh(48, 38.036, 147.403)

Conversions

Conversions Part 1

Format	Color
Hex	3F7F4E
RGB	63, 127, 78
RGB Percent	25%, 50%, 31%
CMY	0.7528, 0.5018, 0.6940
CMYK	0.50, 0.00, 0.39, 0.50
HSL	134°, 34%, 37%
HSV	134°, 50%, 50%
XYZ	11.0210, 16.7945, 9.8737
YIQ	102.2780, -22.4150, -28.8070

Conversions

Conversions Part 2

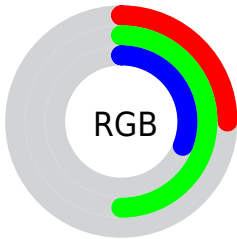
Format	Color
RYB	63, 115, 127
Decimal	4161358
CIELab	48.00, -32.04, 20.49
CIELCh	48, 38.036, 147.403
Yxy	16.7945, 0.2924, 0.4456
Android (android.graphics.Color)	4282351438 (0xFF3F7F4E)
YUV	102.2780, -11.9691, -34.4468
Hunter-Lab	40.9810, -23.7127, 14.4018

Details

The CIELCh color **48, 38.036, 147.403** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 38.093, 335.143**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 37.652, 147.682**, and **28, 37.859, 147.708** is the 20% darker color. If you saturate the color by 10%, you get **47, 44.843, 146.121**, and if you desaturate by 10%, it is **49, 30.805, 148.529**.

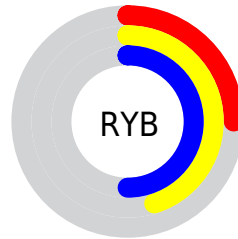
Distribution



Red (25%)

Green (50%)

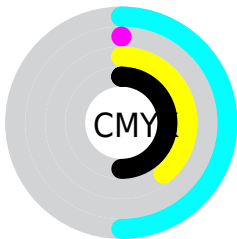
Blue (31%)



Red (25%)

Yellow (45%)

Blue (50%)

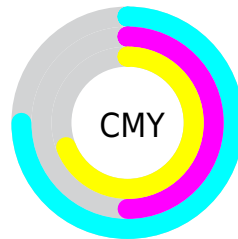


Cyan (50%)

Magenta (0%)

Yellow (39%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 38.036, 147.403 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 48, 38.036, 147.403 by changing the saturation by 10% instead.

 48, 38.036,
147.403

 48, 38.036,
147.403


 100, 38.036,
147.403

 38, 38.036,
147.403

 68, 38.036,
147.403

 28, 38.036,
147.403

 78, 38.036,
147.403

 18, 38.036,
147.403

 88, 38.036,
147.403

 8, 38.036, 147.403

 98, 38.036,
147.403

 0, 38.036, 147.403

 48, 38.036,

 48, 38.036,

147.403

147.403

■ 47, 44.843,
146.121

■ 49, 30.805,
148.529

■ 47, 51.075,
144.682

■ 50, 23.294,
149.511

■ 46, 56.592,
143.104

■ 51, 15.634,
150.366

■ 46, 61.272,
141.431

■ 52, 7.934, 151.120

■ 46, 65.045,
139.952

■ 53, 0.285, 152.537

■ 55, 7.249, 332.268

■ 56, 14.619,
332.780

■ 58, 21.795,
333.225

■ 59, 28.758,

Harmonies

Complementary

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



48, 38.036, 147.403



36, 38.093, 335.143

Rectangle

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



48, 38.036, 147.403



48, 38.036, 197.403



48, 38.036, 327.403



48, 38.036, 17.403

Sweetspot

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



48, 38.037, 147.403



66, 14.282, 150.756



51, 36.475, 116.223



34, 9.826, 150.621



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 38.037, 147.403



61, 55.272, 145.978



49, 25.170, 173.202



26, 4.317, 151.211



46, 65.229, 139.945



0, 0.000, 0.000

Inverse Universe

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



36, 38.093, 335.143



44, 54.802, 336.010



35, 29.697, 4.822



25, 4.333, 332.284



28, 58.032, 339.856



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 38.036, 147.403 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 48, 38.036, 147.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

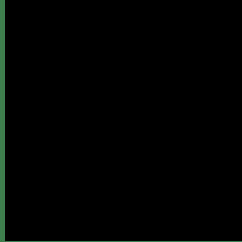
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 38.036, 147.403

Background



This preview shows how black text looks on a background with the CIELCh color 48, 38.036, 147.403.



This preview shows how white text looks on a background with the CIELCh color 48, 38.036, 147.403.

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

48, 38.036, 147.403

Protanopia

48, 23.736, 95.812

Deuteranopia

48, 19.703, 72.705



Tritanopia
48, 16.215, 217.151

Trichromacy



Original Color
48, 38.036, 147.403

Protanomaly
47, 25.994, 123.562

Deuteranomaly
47, 20.670, 117.220

Tritanomaly
48, 20.503, 176.911

Monochromacy



Original Color
48, 38.036, 147.403

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 14.406, 149.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 38.036, 147.403 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(63, 127, 78)` looks like.

```
.text, #text, p{  
    color:rgb(63, 127, 78)  
}
```

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(63, 127, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 127, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 38.036, 147.403 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(63, 127, 78) }
```

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

```
.border{ border-color:rgb(63, 127, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 127, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 127, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 127, 78);  
box-shadow:4px 4px 4px 4px rgb(63, 127,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 38.036, 147.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 127, 78) }
```

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

```
.background{ background-color: rgb(63, 127,  
78) }
```

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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