

Converting Colors

CIELCh(48, 37.397, 146.419)

Have a look what the booklet for
CIELCh(48, 37.397, 146.419)
contains.

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Color

CIELCh(48, 37.397, 146.419)

Conversions

Conversions Part 1

Format	Color
Hex	427F4E
RGB	66, 127, 78
RGB Percent	26%, 50%, 31%
CMY	0.7424, 0.5031, 0.6952
CMYK	0.48, 0.00, 0.39, 0.50
HSL	132°, 32%, 38%
HSV	132°, 48%, 50%
XYZ	11.1420, 16.7945, 9.8099
YIQ	103.1750, -20.6270, -28.1710

Conversions

Conversions Part 2

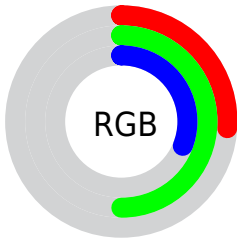
Format	Color
RYB	66, 117, 127
Decimal	4357966
CIELab	48.00, -31.16, 20.68
CIELCh	48, 37.397, 146.419
Yxy	16.7945, 0.2952, 0.4449
Android (android.graphics.Color)	4282548046 (0xFF427F4E)
YUV	103.1750, -12.4113, -32.6025
Hunter-Lab	40.9810, -23.1857, 14.4940

Details

The CIELCh color **48, 37.397, 146.419** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 37.396, 333.475**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 36.981, 146.590**, and **28, 37.104, 146.642** is the 20% darker color. If you saturate the color by 10%, you get **47, 44.486, 145.197**, and if you desaturate by 10%, it is **49, 29.900, 147.493**.

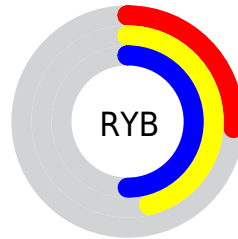
Distribution



Red (26%)

Green (50%)

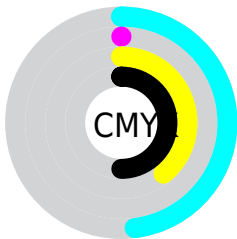
Blue (31%)



Red (26%)

Yellow (46%)

Blue (50%)

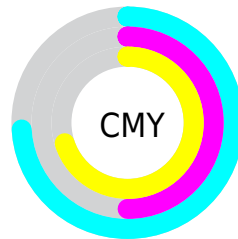


Cyan (48%)

Magenta (0%)

Yellow (39%)

Black (50%)



Cyan (74%)


Magenta (50%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 37.397, 146.419 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, 37.397, 146.419 by changing the saturation by 10% instead.

 48, 37.397,
146.419


 48, 37.397,
146.419


 100, 37.397,
146.419

 38, 37.397,
146.419

 68, 37.397,
146.419


 28, 37.397,
146.419

 78, 37.397,
146.419

 18, 37.397,
146.419

 88, 37.397,
146.419

 8, 37.397, 146.419

 98, 37.397,
146.419

 0, 37.397, 146.419

 48, 37.397,

 48, 37.397,

146.419

146.419

■ 47, 44.486,
145.197

■ 49, 29.900,
147.493

■ 47, 51.001,
143.827

■ 50, 22.145,
148.428

■ 46, 56.781,
142.331

■ 51, 14.265,
149.241

■ 46, 61.674,
140.758

■ 52, 6.373, 149.960

■ 46, 65.641,
139.280

■ 53, 1.448, 330.381

■ 55, 9.133, 331.039

■ 46, 66.301,
139.058

■ 56, 16.638,
331.514

■ 58, 23.936,
331.926

■ 60, 31.009,

Harmonies

Complementary

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



48, 37.397, 146.419



37, 37.396, 333.475

Rectangle

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



48, 37.397, 146.419



48, 37.397, 196.419



48, 37.397, 326.419



48, 37.397, 16.419

Sweetspot

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



48, 37.398, 146.419



66, 13.693, 149.524



51, 34.647, 114.152



34, 9.534, 149.388



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, 37.398, 146.419



61, 55.147, 145.034



49, 25.156, 169.883



26, 4.435, 149.894



46, 66.621, 139.047



0, 0.000, 0.000

Inverse Universe

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



37, 37.396, 333.475



45, 54.653, 334.261



36, 28.637, 0.720



25, 4.449, 330.937



28, 59.594, 337.616



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 37.397, 146.419 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, 37.397, 146.419 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, 37.397, 146.419

Background



This preview shows how black text looks on a background with the CIELCh color 48, 37.397, 146.419.



This preview shows how white text looks on a background with the CIELCh color 48, 37.397, 146.419.

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, 37.397, 146.419

Protanopia

48, 24.292, 95.968

Deuteranopia

48, 19.703, 72.705



Tritanopia
48, 15.521, 220.525

Trichromacy



Original Color
48, 37.397, 146.419

Protanomaly
47, 26.402, 122.289

Deuteranomaly
47, 20.555, 114.808

Tritanomaly
48, 19.085, 177.359

Monochromacy



Original Color
48, 37.397, 146.419

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 14.383, 149.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 37.397, 146.419 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(66, 127, 78)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 127, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 127, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 37.397, 146.419 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(66, 127, 78) }
```

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

```
.border{ border-color:rgb(66, 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(66, 127, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 127, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 127, 78);  
box-shadow:4px 4px 4px 4px rgb(66, 127,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 37.397, 146.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 127, 78) }
```

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

```
.background{ background-color: rgb(66, 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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