

Converting Colors

CIELCh(47, 12.032, 37.633)

Have a look what the booklet for
CIELCh(47, 12.032, 37.633) contains.

CIELCh(47, 11.847, 37.875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 11.847, 37.875)

Conversions

Conversions Part 1

Format	Color
Hex	846A64
RGB	132, 106, 100
RGB Percent	52%, 42%, 39%
CMY	0.4839, 0.5857, 0.6093
CMYK	0.00, 0.20, 0.24, 0.48
HSL	11°, 14%, 45%
HSV	11°, 24%, 52%
XYZ	16.8538, 16.0195, 14.1680
YIQ	113.0900, 17.4220, 3.6460

Conversions

Conversions Part 2

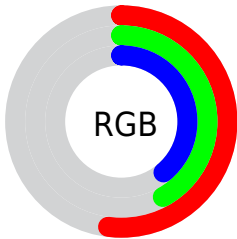
Format	Color
R_{YB}	132, 107, 100
Decimal	8677988
CIE Lab	47.00, 9.35, 7.27
CIE LCh	47, 11.847, 37.875
Yxy	16.0195, 0.3583, 0.3405
Android (android.graphics.Color)	4286868068 (0xFF846A64)
YUV	113.0900, -6.4534, 16.5841
Hunter-Lab	40.0243, 5.1220, 7.0293

Details

The CIELCh color $47, 11.847, 37.875$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 10.112, 218.853$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.054, 36.166$, and $27, 11.975, 39.938$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.411, 38.053$, and if you desaturate by 10%, it is $50, 6.696, 37.838$.

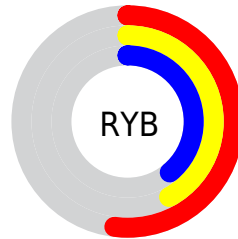
Distribution



Red (52%)

Green (42%)

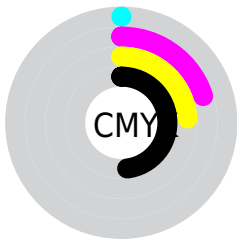
Blue (39%)



Red (52%)

Yellow (42%)

Blue (39%)

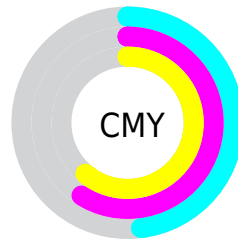


Cyan (0%)

Magenta (20%)

Yellow (24%)

Black (48%)



Cyan (48%)

Magenta (59%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 11.847, 37.875 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, 11.847, 37.875 by changing the saturation by 10% instead.

■ 47, 11.847, 37.875 ■ 47, 11.847, 37.875

■ 100, 11.847, 37.875 ■ 37, 11.847, 37.875

■ 67, 11.847, 37.875 ■ 27, 11.847, 37.875

■ 77, 11.847, 37.875 ■ 17, 11.847, 37.875

■ 87, 11.847, 37.875 ■ 7, 11.847, 37.875

■ 97, 11.847, 37.875 ■ 0, 11.847, 37.875

■ 47, 11.847, 37.875 ■ 47, 11.847, 37.875

■ 44, 17.411, 38.053 ■ 50, 6.696, 37.838

■ 41, 23.403, 38.393 ■ 54, 1.934, 37.779

38, 29.808, 38.942

57, 2.474, 218.318

35, 36.571, 39.724

60, 6.564, 218.447

33, 43.555, 40.723

64, 10.371,
218.698

31, 50.468, 41.818

67, 13.928,
218.992

29, 56.649, 42.620

28, 59.721, 43.061

71, 17.265,
219.310

74, 20.409,
219.643

77, 23.383,
219.984

Harmonies

Complementary

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



47, 11.847, 37.875



51, 10.112, 218.853

Rectangle

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



47, 11.847, 37.875



47, 11.847, 87.875



47, 11.847, 217.875



47, 11.847, 267.875

Sweetspot

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



47, 11.846, 37.884



67, 3.944, 37.828



46, 19.998, 331.409



35, 2.588, 37.831



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 11.846, 37.884



58, 17.883, 37.956



51, 13.394, 89.474



26, 2.604, 37.836



28, 59.118, 43.023



0, 0.603, 38.041

Inverse Universe

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



51, 10.112, 218.853



64, 14.671, 219.143



46, 13.386, 275.833



27, 2.464, 218.341



41, 26.483, 231.669



0, 0.603, 218.061

Previews

White Background



This preview shows how the CIELCh color 47, 11.847, 37.875 looks on a white background.

Color Contrast Check

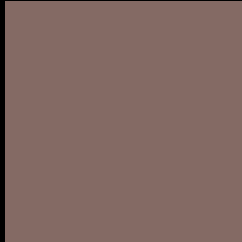
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 11.847, 37.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

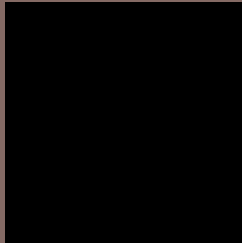
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 11.847, 37.875

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.847, 37.875.



This preview shows how white text looks on a background with the CIELCh color 47, 11.847, 37.875.

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, 11.847, 37.875

Protanopia

47, 5.154, 85.421

Deuteranopia

47, 9.817, 52.674



Tritanopia
47, 12.943, 359.814

Trichromacy



Original Color
47, 11.847, 37.875

Protanomaly
47, 6.912, 56.400

Deuteranomaly
47, 10.680, 46.394

Tritanomaly
47, 11.516, 12.070

Monochromacy



Original Color
47, 11.847, 37.875

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.324, 35.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 11.847, 37.875 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(132, 106, 100)` looks like.

```
.text, #text, p{  
    color:rgb(132, 106, 100)  
}
```

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(132, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 106, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.847, 37.875 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(132, 106, 100) }
```

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

```
.border{ border-color:rgb(132, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(132, 106,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.847, 37.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 106, 100) }
```

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

```
.background{ background-color: rgb(132,  
106, 100) }
```

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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