

Converting Colors

CIELCh(47, 64.297, 39.009)

Have a look what the booklet for
CIELCh(47, 64.297, 39.009) contains.

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Color

CIELCh(47, 64.189, 38.949)

Conversions

Conversions Part 1

Format	Color
Hex	C4442E
RGB	196, 68, 46
RGB Percent	77%, 27%, 18%
CMY	0.2321, 0.7340, 0.8202
CMYK	0.00, 0.65, 0.77, 0.23
HSL	9°, 62%, 47%
HSV	9°, 77%, 77%
XYZ	25.2614, 16.0195, 4.3307
YIQ	103.7640, 83.3500, 20.2940

Conversions

Conversions Part 2

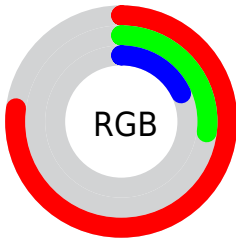
Format	Color
R_{YB}	196, 72, 46
Decimal	12862510
CIE _{Lab}	47.00, 49.92, 40.35
CIE _{LCh}	47, 64.189, 38.949
Yxy	16.0195, 0.5538, 0.3512
Android (android.graphics.Color)	4291052590 (0xFFC4442E)
YUV	103.7640, -28.4777, 80.8910
Hunter-Lab	40.0243, 42.6180, 21.6018

Details

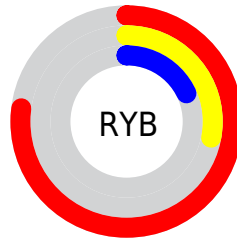
The CIELCh color **47, 64.189, 38.949** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **66, 33.640, 218.584**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.711, 39.326**, and **27, 64.073, 38.791** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.431, 40.543**, and if you desaturate by 10%, it is **50, 54.413, 37.381**.

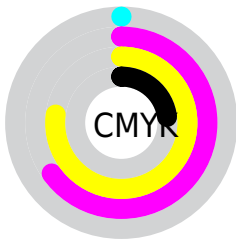
Distribution



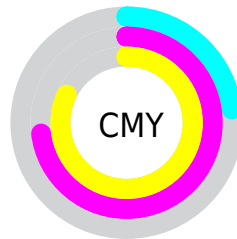
- Red (77%)
- Green (27%)
- Blue (18%)



- Red (77%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (65%)
- Yellow (77%)
- Black (23%)



- Cyan (23%)
- Magenta (73%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 64.189, 38.949 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, 64.189, 38.949 by changing the saturation by 10% instead.

 47, 64.189, 38.949

 47, 64.189, 38.949

 100, 64.189,
38.949

 37, 64.189, 38.949

 67, 64.189, 38.949

 27, 64.189, 38.949

 77, 64.189, 38.949

 17, 64.189, 38.949

 87, 64.189, 38.949

 7, 64.189, 38.949

 97, 64.189, 38.949

 0, 64.189, 38.949

 47, 64.189, 38.949

 47, 64.189, 38.949

 44, 73.431, 40.543

 50, 54.413, 37.381

 43, 80.837, 41.553

 54, 44.746, 36.075

42, 83.091, 42.003

58, 35.485, 35.082

62, 26.772, 34.372

67, 18.664, 33.895

71, 11.167, 33.596

76, 4.252, 33.381

81, 2.125, 213.739

86, 8.016, 213.607

Harmonies

Complementary

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



47, 64.189, 38.949



66, 33.640, 218.584

Rectangle

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



47, 64.189, 38.949



47, 64.189, 88.949



47, 64.189, 218.949



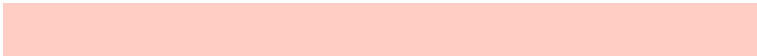
47, 64.189, 268.949

Sweetspot

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



47, 64.187, 38.952



86, 19.746, 33.783



48, 78.895, 332.921



44, 13.878, 33.913



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 64.187, 38.952



56, 96.136, 41.329



62, 57.167, 77.553



38, 3.675, 33.446



34, 71.344, 42.188



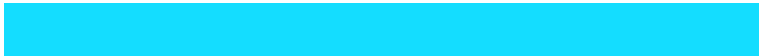
4, 12.777, 28.225

Inverse Universe

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



66, 33.640, 218.584



81, 43.256, 222.300



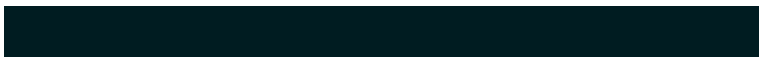
44, 57.055, 286.045



40, 3.462, 213.602



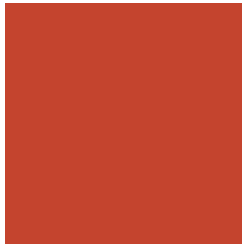
52, 30.885, 223.595



9, 10.710, 217.557

Previews

White Background



This preview shows how the CIELCh color 47, 64.189, 38.949 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, 64.189, 38.949 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, 64.189, 38.949

Background



This preview shows how black text looks on a background with the CIELCh color 47, 64.189, 38.949.



This preview shows how white text looks on a background with the CIELCh color 47, 64.189, 38.949.

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, 64.189, 38.949

Protanopia

47, 31.067, 95.418

Deuteranopia

47, 42.689, 81.552



Tritanopia
47, 59.284, 27.389

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 64.189, 38.949 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(196, 68, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 68, 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(196, 68, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 68, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 64.189, 38.949 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(196, 68, 46) }
```

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

```
.border{ border-color:rgb(196, 68, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 68, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 68, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 68, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 68,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 64.189, 38.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 68, 46) }
```

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

```
.background{ background-color: rgb(196, 68,  
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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