

Converting Colors

CIELCh(47, 78.762, 44.885)

Have a look what the booklet for
CIELCh(47, 78.762, 44.885) contains.

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Color

CIELCh(47, 78.962, 44.758)

Conversions

Conversions Part 1

Format	Color
Hex	CD3A0C
RGB	205, 58, 12
RGB Percent	80%, 23%, 5%
CMY	0.1963, 0.7727, 0.9531
CMYK	0.00, 0.72, 0.94, 0.20
HSL	14°, 89%, 43%
HSV	14°, 94%, 80%
XYZ	26.7391, 16.0195, 2.0288
YIQ	96.7090, 102.3780, 16.8580

Conversions

Conversions Part 2

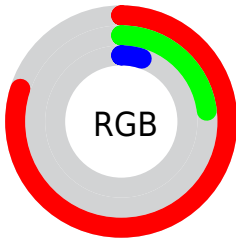
Format	Color
RYB	205, 72, 12
Decimal	13449740
CIELab	47.00, 56.07, 55.60
CIELCh	47, 78.962, 44.758
Yxy	16.0195, 0.5970, 0.3577
Android (android.graphics.Color)	4291639820 (0xFFCD3A0C)
YUV	96.7090, -41.7615, 94.9712
Hunter-Lab	40.0243, 49.2080, 25.0116

Details

The CIELCh color **47, 78.962, 44.758** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **61, 37.636, 241.632**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 73.183, 45.985**, and **29, 66.786, 39.127** is the 20% darker color. If you saturate the color by 10%, you get **46, 82.941, 44.612**, and if you desaturate by 10%, it is **49, 70.746, 44.790**.

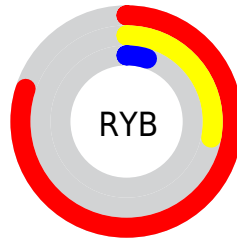
Distribution



Red (80%)

Green (23%)

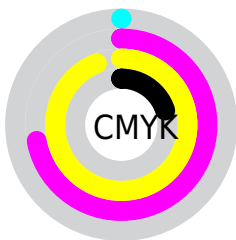
Blue (5%)



Red (80%)

Yellow (28%)

Blue (5%)

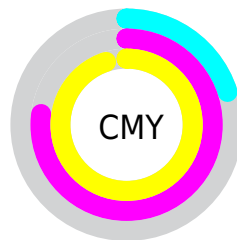


Cyan (0%)

Magenta (72%)

Yellow (94%)

Black (20%)



Cyan (20%)

Magenta (77%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 78.962, 44.758 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, 78.962, 44.758 by changing the saturation by 10% instead.

47, 78.962, 44.758

47, 78.962, 44.758

100, 78.962,
44.758

37, 78.962, 44.758

67, 78.962, 44.758

27, 78.962, 44.758

77, 78.962, 44.758

17, 78.962, 44.758

87, 78.962, 44.758

7, 78.962, 44.758

97, 78.962, 44.758

0, 78.962, 44.758

47, 78.962, 44.758

47, 78.962, 44.758

46, 82.941, 44.612

49, 70.746, 44.790

52, 61.146, 44.302

■ 56, 51.307, 43.769

■ 59, 41.759, 43.374

■ 63, 32.731, 43.165

■ 67, 24.307, 43.131

■ 72, 16.501, 43.245

■ 76, 9.288, 43.464

■ 80, 2.626, 43.654

Harmonies

Complementary

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



47, 78.962, 44.758



61, 37.636, 241.632

Rectangle

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



47, 78.962, 44.758



47, 78.962, 94.758



47, 78.962, 224.758



47, 78.962, 274.758

Sweetspot

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



47, 78.959, 44.760



85, 23.220, 43.182



47, 81.485, 339.585



43, 16.322, 43.139



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, 78.959, 44.760



57, 98.230, 44.265



66, 69.481, 82.888



41, 3.634, 43.585



37, 70.451, 45.038



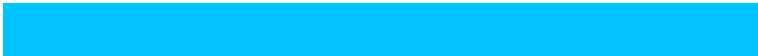
6, 15.711, 33.023

Inverse Universe

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



61, 37.636, 241.632



73, 45.417, 244.819



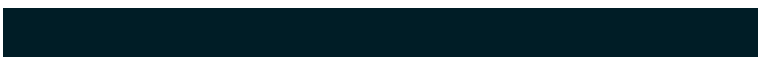
34, 86.623, 298.389



42, 3.436, 224.552



49, 32.682, 243.423



9, 11.767, 233.011

Previews

White Background



This preview shows how the CIELCh color 47, 78.962, 44.758 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, 78.962, 44.758 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, 78.962, 44.758

Background



This preview shows how black text looks on a background with the CIELCh color 47, 78.962, 44.758.



This preview shows how white text looks on a background with the CIELCh color 47, 78.962, 44.758.

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, 78.962, 44.758

Protanopia

47, 46.500, 95.970

Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 68.680, 30.876

Trichromacy



Original Color
47, 78.962, 44.758

Protanomaly
45, 51.654, 67.152

Deuteranomaly
46, 59.706, 63.801

Tritanomaly
47, 72.834, 37.191

Monochromacy



Original Color
47, 78.962, 44.758

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 27.863, 43.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 78.962, 44.758 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(205, 58, 12)` looks like.

```
.text, #text, p{  
    color:rgb(205, 58, 12)  
}
```

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(205, 58, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 58, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 78.962, 44.758 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(205, 58, 12) }
```

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

```
.border{ border-color:rgb(205, 58, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 58, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 58, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 58, 12);  
box-shadow:4px 4px 4px 4px rgb(205, 58,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 78.962, 44.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 58, 12) }
```

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

```
.background{ background-color: rgb(205, 58,  
12) }
```

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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