

Converting Colors

CIELCh(42, 39.722, 83.107)

Have a look what the booklet for
CIELCh(42, 39.722, 83.107) contains.

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Color

CIELCh(42, 39.702, 83.000)

Conversions

Conversions Part 1

Format	Color
Hex	7C5F1F
RGB	124, 95, 31
RGB Percent	49%, 37%, 12%
CMY	0.5148, 0.6284, 0.8794
CMYK	0.00, 0.23, 0.75, 0.51
HSL	41°, 60%, 30%
HSV	41°, 75%, 49%
XYZ	12.5841, 12.5000, 3.0280
YIQ	96.3750, 37.8280, -13.7560

Conversions

Conversions Part 2

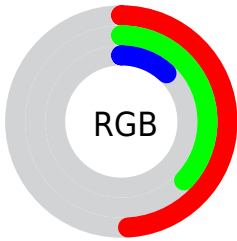
Format	Color
R_{YB}	73, 124, 31
Decimal	8150815
CIE Lab	42.00, 4.84, 39.41
CIE LCh	42, 39.702, 83.000
Yxy	12.5000, 0.4476, 0.4446
Android (android.graphics.Color)	4286340895 (0xFF7C5F1F)
YUV	96.3750, -32.2299, 24.2271
Hunter-Lab	35.3553, 1.6622, 19.6708

Details

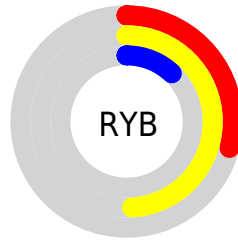
The CIELCh color **42, 39.702, 83.000** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **27, 41.737, 288.409**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 39.738, 83.180**, and **22, 31.808, 79.444** is the 20% darker color. If you saturate the color by 10%, you get **41, 43.862, 81.375**, and if you desaturate by 10%, it is **43, 34.809, 84.480**.

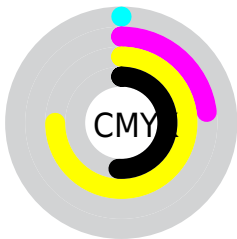
Distribution



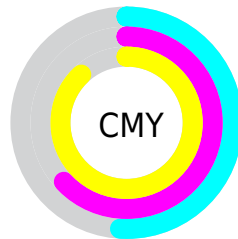
- Red (49%)
- Green (37%)
- Blue (12%)



- Red (29%)
- Yellow (49%)
- Blue (12%)



- Cyan (0%)
- Magenta (23%)
- Yellow (75%)
- Black (51%)



- Cyan (51%)
- Magenta (63%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 39.702, 83.000 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 42, 39.702, 83.000 by changing the saturation by 10% instead.

■ 42, 39.702, 83.000 ■ 42, 39.702, 83.000

■ 100, 39.702, 83.000 ■ 32, 39.702, 83.000

■ 62, 39.702, 83.000 ■ 22, 39.702, 83.000

■ 72, 39.702, 83.000 ■ 12, 39.702, 83.000

■ 82, 39.702, 83.000 ■ 2, 39.702, 83.000

■ 92, 39.702, 83.000 ■ 0, 39.702, 83.000

■ 42, 39.702, 83.000 ■ 42, 39.702, 83.000

■ 41, 43.862, 81.375 ■ 43, 34.809, 84.480

■ 40, 46.939, 79.519 ■ 44, 29.540, 85.874

39, 48.480, 78.682

46, 24.115, 87.217

47, 18.662, 88.521

48, 13.249, 89.788

50, 7.910, 91.014

51, 2.660, 92.169

53, 2.495, 273.445

54, 7.558, 274.508

Harmonies

Complementary

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



42, 39.702, 83.000



27, 41.737, 288.409

Rectangle

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



42, 39.702, 83.000



42, 39.702, 133.000



42, 39.702, 263.000



42, 39.702, 313.000

Sweetspot

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



42, 39.702, 83.003



62, 14.984, 89.987



28, 42.166, 7.276



32, 10.479, 89.606



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 39.702, 83.003



52, 55.735, 80.083



49, 49.679, 113.028



25, 2.898, 91.733



40, 48.826, 78.653



77, 82.015, 77.131

Inverse Universe

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



27, 41.737, 288.409



29, 63.173, 294.088



20, 61.044, 305.164



24, 2.904, 273.972



20, 57.603, 296.561



42, 102.417, 298.439

Previews

White Background



This preview shows how the CIELCh color 42, 39.702, 83.000 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 42, 39.702, 83.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

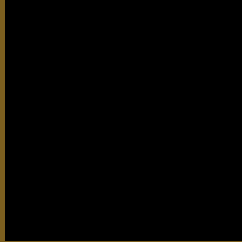
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 39.702, 83.000

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.702, 83.000.



This preview shows how white text looks on a background with the CIELCh color 42, 39.702, 83.000.

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

42, 39.702, 83.000

Protanopia

42, 38.784, 96.312

Deuteranopia

42, 39.723, 81.449



Tritanopia
42, 17.272, 9.993

Trichromacy



Original Color
42, 39.702, 83.000

Protanomaly
42, 38.647, 91.041

Deuteranomaly
42, 39.723, 81.449

Tritanomaly
42, 20.329, 54.734

Monochromacy



Original Color
42, 39.702, 83.000

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 15.191, 90.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.702, 83.000 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(124, 95, 31)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 31)  
}
```

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(124, 95, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.702, 83.000 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(124, 95, 31) }
```

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

```
.border{ border-color:rgb(124, 95, 31) }
```

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

Here you see how a box with a 4 pixel rgb(124, 95, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 31);  
box-shadow:4px 4px 4px 4px rgb(124, 95,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.702, 83.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 31) }
```

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

```
.background{ background-color: rgb(124, 95,  
31) }
```

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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