

Converting Colors

CIELCh(42, 30.883, 79.440)

Have a look what the booklet for
CIELCh(42, 30.883, 79.440) contains.

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Color

CIELCh(42, 30.839, 79.521)

Conversions

Conversions Part 1

Format	Color
Hex	7B5F31
RGB	123, 95, 49
RGB Percent	48%, 37%, 19%
CMY	0.5195, 0.6291, 0.8095
CMYK	0.00, 0.23, 0.60, 0.52
HSL	37°, 43%, 34%
HSV	37°, 60%, 48%
XYZ	12.6986, 12.5000, 4.6037
YIQ	98.1280, 31.4540, -8.3700

Conversions

Conversions Part 2

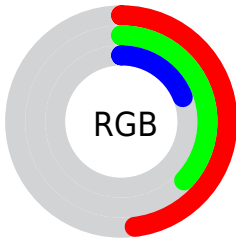
Format	Color
R _Y B	94, 123, 49
Decimal	8085297
CIE Lab	42.00, 5.61, 30.32
CIE LCh	42, 30.839, 79.521
Yxy	12.5000, 0.4261, 0.4194
Android (android.graphics.Color)	4286275377 (0xFF7B5F31)
YUV	98.1280, -24.2201, 21.8127
Hunter-Lab	35.3553, 2.2401, 17.0284

Details

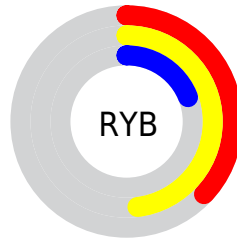
The CIELCh color **42, 30.839, 79.521** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **32, 29.686, 278.962**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 30.688, 78.739**, and **22, 30.762, 79.905** is the 20% darker color. If you saturate the color by 10%, you get **41, 35.982, 78.046**, and if you desaturate by 10%, it is **43, 25.552, 80.926**.

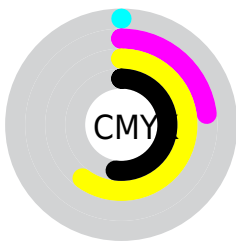
Distribution



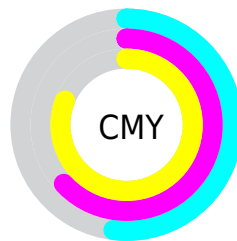
- Red (48%)
- Green (37%)
- Blue (19%)



- Red (37%)
- Yellow (48%)
- Blue (19%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (52%)





















- Cyan (52%)
- Magenta (63%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 30.839, 79.521 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, 30.839, 79.521 by changing the saturation by 10% instead.

 42, 30.839, 79.521	 42, 30.839, 79.521
 100, 30.839, 79.521	 32, 30.839, 79.521
 62, 30.839, 79.521	 22, 30.839, 79.521
 72, 30.839, 79.521	 12, 30.839, 79.521
 82, 30.839, 79.521	 2, 30.839, 79.521
 92, 30.839, 79.521	 0, 30.839, 79.521

 42, 30.839, 79.521	 42, 30.839, 79.521
 41, 35.982, 78.046	 43, 25.552, 80.926
 39, 40.716, 76.422	 45, 20.268, 82.278

■ 38, 44.619, 74.527

■ 47, 15.061, 83.592

■ 37, 47.967, 72.659

■ 48, 9.967, 84.868

■ 50, 4.999, 86.095

■ 51, 0.158, 86.129

■ 53, 4.563, 268.544

■ 55, 9.170, 269.640

■ 56, 13.673,
270.702

Harmonies

Complementary

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



42, 30.839, 79.521



32, 29.686, 278.962

Rectangle

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



42, 30.839, 79.521



42, 30.839, 129.521



42, 30.839, 259.521



42, 30.839, 309.521

Sweetspot

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



42, 30.839, 79.525



62, 10.838, 85.108



32, 35.258, 358.262



31, 7.514, 84.808



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 30.839, 79.525



52, 45.296, 77.521



49, 41.050, 110.409



25, 2.715, 86.246



37, 48.651, 72.590



73, 82.021, 70.751

Inverse Universe

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



32, 29.686, 278.962



38, 44.032, 283.137



25, 48.263, 301.693



24, 2.703, 268.567



22, 51.668, 292.529



46, 91.998, 294.664

Previews

White Background



This preview shows how the CIELCh color 42, 30.839, 79.521 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 42, 30.839, 79.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

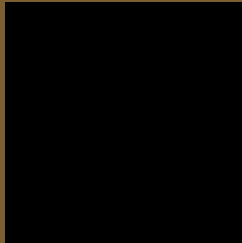
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.839, 79.521

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.839, 79.521.



This preview shows how white text looks on a background with the CIELCh color 42, 30.839, 79.521.

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, 30.839, 79.521

Protanopia

42, 29.294, 95.334

Deuteranopia

42, 30.599, 80.324



Tritanopia
42, 16.486, 7.147

Trichromacy



Original Color
42, 30.839, 79.521

Protanomaly
42, 29.750, 88.670

Deuteranomaly
42, 30.599, 80.324

Tritanomaly
42, 17.392, 45.427

Monochromacy



Original Color
42, 30.839, 79.521

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 11.199, 84.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 30.839, 79.521 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(123, 95, 49)` looks like.

```
.text, #text, p{  
    color:rgb(123, 95, 49)  
}
```

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(123, 95, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 95, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.839, 79.521 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(123, 95, 49) }
```

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

```
.border{ border-color:rgb(123, 95, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 95, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 95, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 95, 49);  
box-shadow:4px 4px 4px 4px rgb(123, 95,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.839, 79.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 95, 49) }
```

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

```
.background{ background-color: rgb(123, 95,  
49) }
```

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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