

Converting Colors

CIELCh(42, 31.104, 80.669)

Have a look what the booklet for
CIELCh(42, 31.104, 80.669) contains.

CIELCh(42, 31.110, 80.642)	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(42, 31.110, 80.642)

Conversions

Conversions Part 1

Format	Color
Hex	7A5F30
RGB	122, 95, 48
RGB Percent	48%, 37%, 19%
CMY	0.5221, 0.6280, 0.8123
CMYK	0.00, 0.22, 0.61, 0.52
HSL	38°, 44%, 33%
HSV	38°, 61%, 48%
XYZ	12.6168, 12.5000, 4.5305
YIQ	97.7150, 31.1790, -8.8930

Conversions

Conversions Part 2

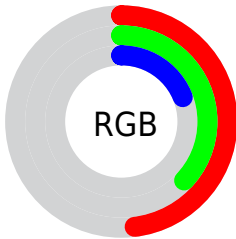
Format	Color
RYB	91, 122, 48
Decimal	8019760
CIELab	42.00, 5.06, 30.70
CIElCh	42, 31.110, 80.642
Yxy	12.5000, 0.4256, 0.4216
Android (android.graphics.Color)	4286209840 (0xFF7A5F30)
YUV	97.7150, -24.5095, 21.2979
Hunter-Lab	35.3553, 1.8270, 17.1512

Details

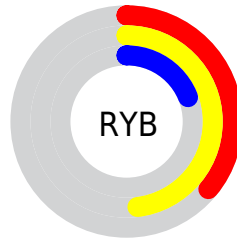
The CIELCh color **42, 31.110, 80.642** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **32, 30.322, 280.132**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 30.956, 79.830**, and **22, 31.147, 80.124** is the 20% darker color. If you saturate the color by 10%, you get **41, 36.201, 79.167**, and if you desaturate by 10%, it is **43, 25.847, 82.046**.

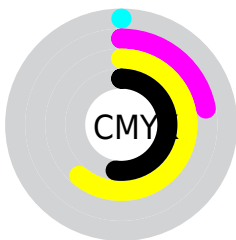
Distribution



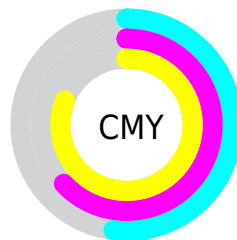
- Red (48%)
- Green (37%)
- Blue (19%)



- Red (36%)
- Yellow (48%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (61%)
- Black (52%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 31.110, 80.642 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, 31.110, 80.642 by changing the saturation by 10% instead.

■ 42, 31.110, 80.642 ■ 42, 31.110, 80.642

■ 100, 31.110, 80.642 ■ 32, 31.110, 80.642

■ 62, 31.110, 80.642 ■ 22, 31.110, 80.642

■ 72, 31.110, 80.642 ■ 12, 31.110, 80.642

■ 82, 31.110, 80.642 ■ 2, 31.110, 80.642

■ 92, 31.110, 80.642 ■ 0, 31.110, 80.642

■ 42, 31.110, 80.642 ■ 42, 31.110, 80.642

■ 41, 36.201, 79.167 ■ 43, 25.847, 82.046

■ 39, 40.849, 77.546 ■ 45, 20.565, 83.398

■ 38, 44.627, 75.661

■ 46, 15.345, 84.710

■ 37, 47.766, 73.889

■ 48, 10.225, 85.985

■ 49, 5.222, 87.210

■ 51, 0.337, 87.904

■ 53, 4.433, 269.648

■ 54, 9.094, 270.740

■ 56, 13.656,
271.798

Harmonies

Complementary

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



42, 31.110, 80.642



32, 30.322, 280.132

Rectangle

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



42, 31.110, 80.642



42, 31.110, 130.642



42, 31.110, 260.642



42, 31.110, 310.642

Sweetspot

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



42, 31.110, 80.646



62, 10.967, 86.268



31, 35.124, 359.544



31, 7.601, 85.969



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, 31.110, 80.646



52, 46.108, 78.532



49, 41.150, 111.176



25, 2.750, 87.404



38, 48.634, 73.804



74, 81.924, 72.022

Inverse Universe

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



32, 30.322, 280.132



37, 45.626, 284.508



25, 48.348, 302.136



24, 2.742, 269.712



22, 52.858, 293.410



45, 94.110, 295.495

Previews

White Background



This preview shows how the CIELCh color 42, 31.110, 80.642 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, 31.110, 80.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

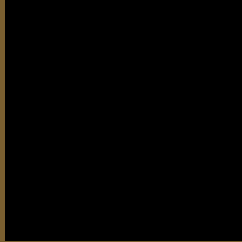
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 31.110, 80.642

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.110, 80.642.



This preview shows how white text looks on a background with the CIELCh color 42, 31.110, 80.642.

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, 31.110, 80.642

Protanopia

42, 29.833, 95.423

Deuteranopia

42, 31.348, 79.849



Tritanopia
42, 16.486, 7.147

Trichromacy



Original Color
42, 31.110, 80.642

Protanomaly
42, 29.592, 89.568

Deuteranomaly
42, 31.348, 79.849

Tritanomaly
42, 16.963, 46.040

Monochromacy



Original Color
42, 31.110, 80.642

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, 31.110, 80.642 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(122, 95, 48)` looks like.

```
.text, #text, p{  
    color:rgb(122, 95, 48)  
}
```

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(122, 95, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 95, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.110, 80.642 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(122, 95, 48) }
```

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

```
.border{ border-color:rgb(122, 95, 48) }
```

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

Here you see how a box with a 4 pixel rgb(122, 95, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 95, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 95, 48);  
box-shadow:4px 4px 4px 4px rgb(122, 95,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.110, 80.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 95, 48) }
```

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

```
.background{ background-color: rgb(122, 95,  
48) }
```

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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