

Converting Colors

CIELCh(42, 30.527, 80.352)

Have a look what the booklet for
CIELCh(42, 30.527, 80.352) contains.

CIELCh(42, 30.599, 80.324)	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, 30.599, 80.324)

Conversions

Conversions Part 1	
Format	Color
Hex	7A5F31
RGB	122, 95, 49
RGB Percent	48%, 37%, 19%
CMY	0.5223, 0.6281, 0.8084
CMYK	0.00, 0.22, 0.60, 0.52
HSL	38°, 43%, 33%
HSV	38°, 60%, 48%
XYZ	12.6293, 12.5000, 4.6357
YIQ	97.8290, 30.8580, -8.5820

Conversions

Conversions Part 2

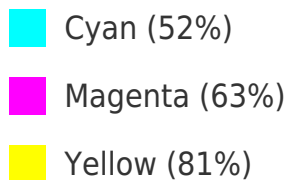
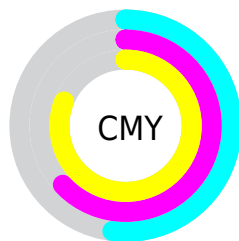
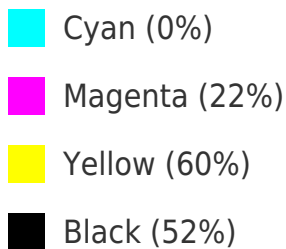
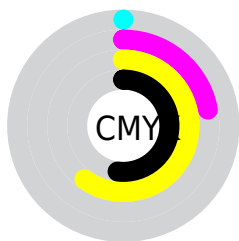
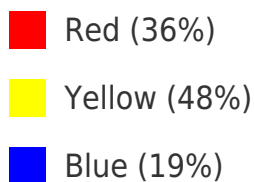
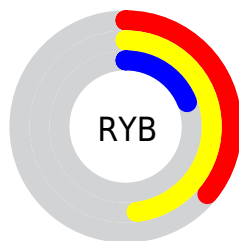
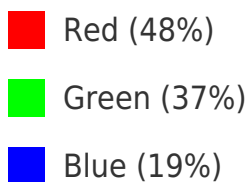
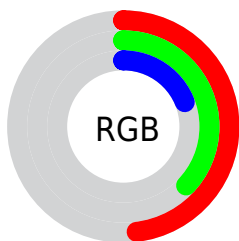
Format	Color
RYB	92, 122, 49
Decimal	8019761
CIELab	42.00, 5.14, 30.16
CIELCh	42, 30.599, 80.324
Yxy	12.5000, 0.4243, 0.4200
Android (android.graphics.Color)	4286209841 (0xFF7A5F31)
YUV	97.8290, -24.0727, 21.1980
Hunter-Lab	35.3553, 1.8902, 16.9748

Details

The CIELCh color **42, 30.599, 80.324** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **32, 29.680, 279.505**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 30.241, 80.195**, and **22, 30.762, 79.905** is the 20% darker color. If you saturate the color by 10%, you get **41, 35.718, 78.856**, and if you desaturate by 10%, it is **43, 25.333, 81.725**.

Distribution



Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 30.599, 80.324 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, 30.599, 80.324 by changing the saturation by 10% instead.

 42, 30.599, 80.324

 42, 30.599, 80.324

 100, 30.599,
80.324

 32, 30.599, 80.324

 62, 30.599, 80.324

 22, 30.599, 80.324

 72, 30.599, 80.324

 12, 30.599, 80.324

 82, 30.599, 80.324

 2, 30.599, 80.324

 92, 30.599, 80.324

 0, 30.599, 80.324

 42, 30.599, 80.324

 42, 30.599, 80.324

 41, 35.718, 78.856

 43, 25.333, 81.725

 39, 40.430, 77.247

 45, 20.063, 83.073

 38, 44.323, 75.382

 46, 14.864, 84.384

 37, 47.720, 73.454

 48, 9.772, 85.656


 37, 47.758, 73.438

 50, 4.799, 86.878

 51, 0.052, 271.665

 53, 4.787, 269.313

 54, 9.412, 270.405

 56, 13.936,
271.462

Harmonies

Complementary

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



42, 30.599, 80.324



32, 29.680, 279.505

Rectangle

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



42, 30.599, 80.324



42, 30.599, 130.324



42, 30.599, 260.324



42, 30.599, 310.324

Sweetspot

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



42, 30.599, 80.328



62, 10.918, 85.839



31, 34.866, 358.163



31, 7.568, 85.539



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, 30.599, 80.328



52, 45.434, 78.258



49, 40.604, 110.435



25, 2.737, 86.975



38, 48.637, 73.351



73, 81.955, 71.548

Inverse Universe

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



32, 29.680, 279.505



37, 44.613, 283.788



25, 47.656, 301.620



24, 2.727, 269.289



22, 52.414, 293.086



46, 93.324, 295.190

Previews

White Background



This preview shows how the CIELCh color 42, 30.599, 80.324 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, 30.599, 80.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

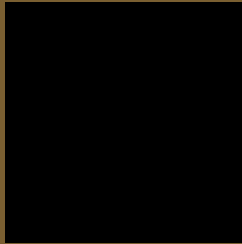
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.599, 80.324

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.599, 80.324.



This preview shows how white text looks on a background with the CIELCh color 42, 30.599, 80.324.

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, 30.599, 80.324

Protanopia

42, 29.294, 95.334

Deuteranopia

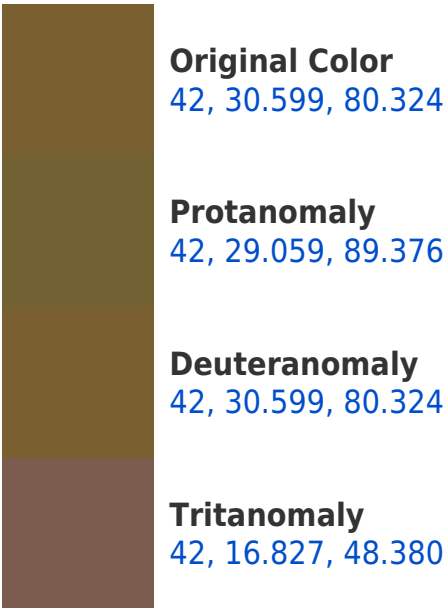
42, 30.599, 80.324



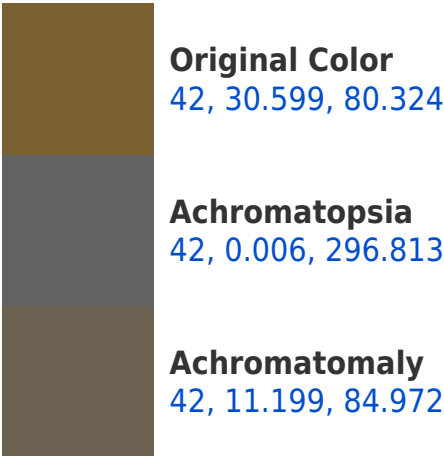
Tritanopia

42, 15.945, 8.752

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 42, 30.599, 80.324 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 95, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 95, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.599, 80.324 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, 49) }
```

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

```
.border{ border-color:rgb(122, 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(122, 95, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 95, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 95, 49);  
box-shadow:4px 4px 4px 4px rgb(122, 95,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.599, 80.324 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, 49) }
```

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

```
.background{ background-color: rgb(122, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor