

Converting Colors

CIELCh(42, 14.472, 39.666)

Have a look what the booklet for
CIELCh(42, 14.472, 39.666) contains.

CIELCh(42, 14.459, 40.282)	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, 14.459, 40.282)

Conversions

Conversions Part 1	
Format	Color
Hex	7A5C54
RGB	122, 92, 84
RGB Percent	48%, 36%, 33%
CMY	0.5205, 0.6382, 0.6696
CMYK	0.00, 0.25, 0.31, 0.52
HSL	13°, 18%, 40%
HSV	13°, 31%, 48%
XYZ	13.5239, 12.5000, 10.1390
YIQ	100.0580, 20.4480, 3.8720

Conversions

Conversions Part 2

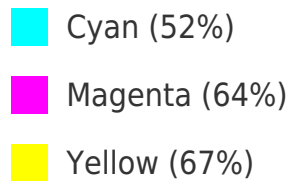
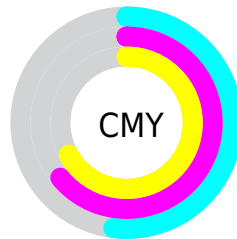
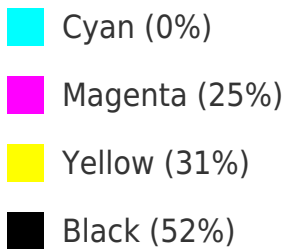
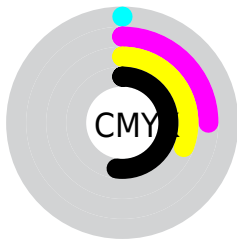
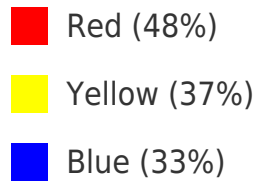
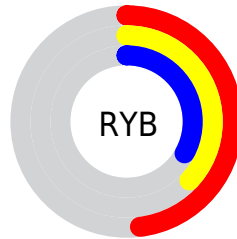
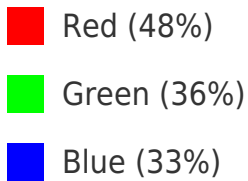
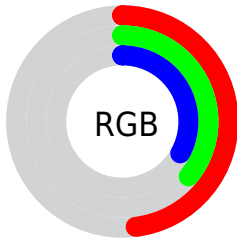
Format	Color
RYB	122, 94, 84
Decimal	8019028
CIELab	42.00, 11.03, 9.35
CIELCh	42, 14.459, 40.282
Yxy	12.5000, 0.3740, 0.3457
Android (android.graphics.Color)	4286209108 (0xFF7A5C54)
YUV	100.0580, -7.9166, 19.2431
Hunter-Lab	35.3553, 6.4068, 7.7459

Details

The CIELCh color $42, 14.459, 40.282$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $46, 11.794, 222.259$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 14.334, 38.660$, and $22, 14.399, 40.605$ is the 20% darker color. If you saturate the color by 10%, you get $39, 19.883, 40.422$, and if you desaturate by 10%, it is $45, 9.425, 40.294$.

Distribution




Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 14.459, 40.282 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, 14.459, 40.282 by changing the saturation by 10% instead.

 42, 14.459, 40.282

 42, 14.459, 40.282

 100, 14.459,
40.282

 32, 14.459, 40.282

 62, 14.459, 40.282

 22, 14.459, 40.282

 72, 14.459, 40.282

 12, 14.459, 40.282

 82, 14.459, 40.282

 2, 14.459, 40.282

 92, 14.459, 40.282

 0, 14.459, 40.282

 42, 14.459, 40.282

 42, 14.459, 40.282

 39, 19.883, 40.422

 45, 9.425, 40.294

 36, 25.701, 40.729

 48, 4.766, 40.388

 34, 31.882, 41.235

 51, 0.451, 39.854


 32, 38.338, 41.936

 54, 3.551, 221.081


 29, 44.869, 42.761

 57, 7.274, 221.361


 28, 51.016, 43.440

 60, 10.749,
221.711

 26, 55.578, 43.693

 63, 14.005,
222.093

 67, 17.070,
222.490

 70, 19.965,
222.896

Harmonies

Complementary

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



42, 14.459, 40.282



46, 11.794, 222.259

Rectangle

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



42, 14.459, 40.282



42, 14.459, 90.282



42, 14.459, 220.282



42, 14.459, 270.282

Sweetspot

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



42, 14.458, 40.289



62, 4.736, 40.407



41, 23.801, 332.436



31, 3.288, 40.395



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, 14.458, 40.289



52, 21.813, 40.362



47, 16.469, 89.941



24, 2.402, 40.408



27, 56.629, 43.771



55, 98.673, 43.361

Inverse Universe

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



46, 11.794, 222.259



58, 16.890, 222.834



41, 16.557, 278.197



25, 2.278, 221.101



38, 25.952, 236.376



75, 43.981, 238.750

Previews

White Background



This preview shows how the CIELCh color 42, 14.459, 40.282 looks on a white background.

Color Contrast Check

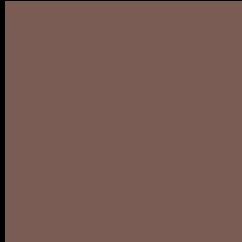
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.459, 40.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

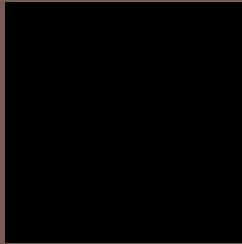
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 14.459, 40.282

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.459, 40.282.



This preview shows how white text looks on a background with the CIELCh color 42, 14.459, 40.282.

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, 14.459, 40.282

Protanopia

42, 6.958, 90.947

Deuteranopia

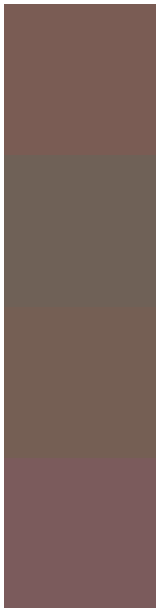
42, 10.881, 61.359



Tritanopia

42, 15.185, 5.625

Trichromacy



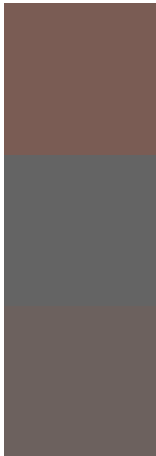
Original Color
42, 14.459, 40.282

Protanomaly
42, 8.653, 63.701

Deuteranomaly
42, 11.975, 53.659

Tritanomaly
42, 14.042, 18.907

Monochromacy



Original Color
42, 14.459, 40.282

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.052, 40.781

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 42, 14.459, 40.282 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, 92, 84)` looks like.

```
.text, #text, p{  
    color:rgb(122, 92, 84)  
}
```

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, 92, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 92, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.459, 40.282 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, 92, 84) }
```

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

```
.border{ border-color:rgb(122, 92, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 92, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 92, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 92, 84);  
box-shadow:4px 4px 4px 4px rgb(122, 92,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.459, 40.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 92, 84) }
```

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

```
.background{ background-color: rgb(122, 92,  
84) }
```

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