

Converting Colors

CIELCh(42, 12.399, 40.435)

Have a look what the booklet for
CIELCh(42, 12.399, 40.435) contains.

CIELCh(42, 12.428, 40.435)	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, 12.428, 40.435)

Conversions

Conversions Part 1

Format	Color
Hex	775D56
RGB	119, 93, 86
RGB Percent	47%, 36%, 34%
CMY	0.5321, 0.6341, 0.6616
CMYK	0.00, 0.22, 0.28, 0.53
HSL	13°, 16%, 40%
HSV	13°, 28%, 47%
XYZ	13.2812, 12.5000, 10.5773
YIQ	99.9760, 17.7430, 3.3350

Conversions

Conversions Part 2

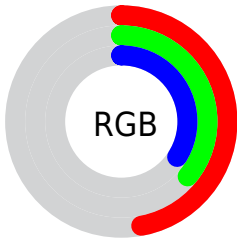
Format	Color
R _Y B	119, 95, 86
Decimal	7822678
CIE Lab	42.00, 9.46, 8.06
CIE LCh	42, 12.428, 40.435
Yxy	12.5000, 0.3653, 0.3438
Android (android.graphics.Color)	4286012758 (0xFF775D56)
YUV	99.9760, -6.8902, 16.6840
Hunter-Lab	35.3553, 5.1815, 7.0109

Details

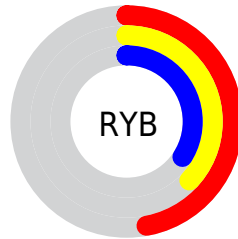
The CIELCh color $42, 12.428, 40.435$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 10.403, 222.217$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.500, 38.578$, and $22, 12.537, 40.013$ is the 20% darker color. If you saturate the color by 10%, you get $39, 17.603, 40.514$, and if you desaturate by 10%, it is $45, 7.629, 40.494$.

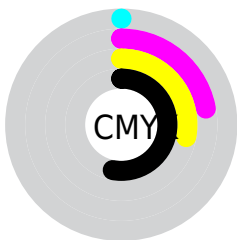
Distribution



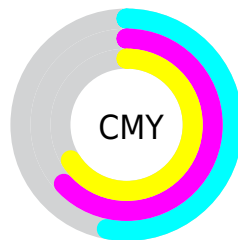
- Red (47%)
- Green (36%)
- Blue (34%)



- Red (47%)
- Yellow (37%)
- Blue (34%)



- Cyan (0%)
- Magenta (22%)
- Yellow (28%)
- Black (53%)





















- Cyan (53%)
- Magenta (63%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 12.428, 40.435 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, 12.428, 40.435 by changing the saturation by 10% instead.

 42, 12.428, 40.435	 42, 12.428, 40.435
 100, 12.428, 40.435	 32, 12.428, 40.435
 62, 12.428, 40.435	 22, 12.428, 40.435
 72, 12.428, 40.435	 12, 12.428, 40.435
 82, 12.428, 40.435	 2, 12.428, 40.435
 92, 12.428, 40.435	 0, 12.428, 40.435
 42, 12.428, 40.435	 42, 12.428, 40.435
 39, 17.603, 40.514	 45, 7.629, 40.494
 36, 23.166, 40.745	 48, 3.186, 40.600

■ 34, 29.099, 41.165

■ 51, 0.930, 221.366

■ 32, 35.339, 41.784

■ 54, 4.753, 221.357

■ 29, 41.743, 42.562

■ 57, 8.314, 221.676

■ 28, 47.987, 43.335

■ 60, 11.643,
222.044

■ 26, 53.244, 43.561

■ 63, 14.768,
222.436

■ 26, 54.368, 43.663

■ 66, 17.714,
222.841

■ 69, 20.501,
223.253

Harmonies

Complementary

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



42, 12.428, 40.435



46, 10.403, 222.217

Rectangle

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



42, 12.428, 40.435



42, 12.428, 90.435



42, 12.428, 220.435



42, 12.428, 270.435

Sweetspot

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



42, 12.427, 40.443



61, 4.134, 40.597



41, 20.777, 332.210



31, 2.976, 40.585



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, 12.427, 40.443



52, 18.867, 40.470



47, 14.331, 90.378



23, 2.316, 40.590



26, 55.594, 43.763



55, 97.833, 43.424

Inverse Universe

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



46, 10.403, 222.217



58, 15.090, 222.686



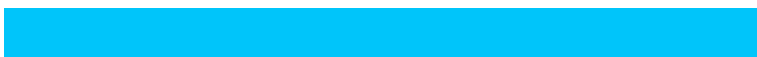
41, 14.394, 277.585



24, 2.197, 221.293



38, 25.586, 236.618



74, 43.689, 239.076

Previews

White Background



This preview shows how the CIELCh color 42, 12.428, 40.435 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, 12.428, 40.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

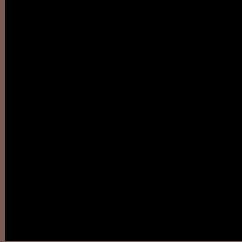
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.428, 40.435

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.428, 40.435.



This preview shows how white text looks on a background with the CIELCh color 42, 12.428, 40.435.

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, 12.428, 40.435

Protanopia

42, 6.253, 93.179

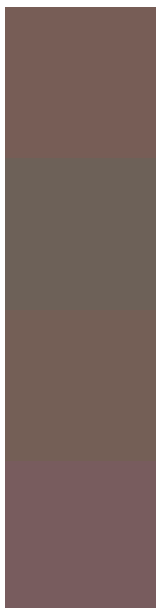
Deuteranopia

42, 10.064, 56.625



Tritanopia
42, 13.640, 0.807

Trichromacy



Original Color
42, 12.428, 40.435

Protanomaly
42, 7.571, 65.293

Deuteranomaly
42, 10.875, 50.036

Tritanomaly
42, 12.216, 15.472

Monochromacy



Original Color
42, 12.428, 40.435

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.240, 44.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.428, 40.435 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(119, 93, 86)` looks like.

```
.text, #text, p{  
    color:rgb(119, 93, 86)  
}
```

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(119, 93, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 93, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.428, 40.435 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(119, 93, 86) }
```

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

```
.border{ border-color:rgb(119, 93, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 93, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 93, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 93, 86);  
box-shadow:4px 4px 4px 4px rgb(119, 93,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.428, 40.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 93, 86) }
```

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

```
.background{ background-color: rgb(119, 93,  
86) }
```

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