

Converting Colors

CIELCh(42, 15.382, 67.456)

Have a look what the booklet for
CIELCh(42, 15.382, 67.456) contains.

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Color

CIELCh(42, 15.415, 67.427)

Conversions

Conversions Part 1

Format	Color
Hex	755F4C
RGB	117, 95, 76
RGB Percent	46%, 37%, 30%
CMY	0.5410, 0.6273, 0.7018
CMYK	0.00, 0.19, 0.35, 0.54
HSL	28°, 21%, 38%
HSV	28°, 35%, 46%
XYZ	12.7446, 12.5000, 8.5865
YIQ	99.4120, 19.2110, -1.2450

Conversions

Conversions Part 2

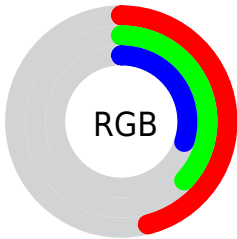
Format	Color
R_YB	117, 111, 76
Decimal	7692108
CIE Lab	42.00, 5.92, 14.23
CIE LCh	42, 15.415, 67.427
Yxy	12.5000, 0.3767, 0.3695
Android (android.graphics.Color)	4285882188 (0xFF755F4C)
YUV	99.4120, -11.5421, 15.4247
Hunter-Lab	35.3553, 2.4725, 10.3495

Details

The CIELCh color **42, 15.415, 67.427** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 13.737, 256.615**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 15.394, 66.206**, and **22, 15.438, 66.759** is the 20% darker color. If you saturate the color by 10%, you get **40, 20.331, 66.323**, and if you desaturate by 10%, it is **44, 10.734, 68.547**.

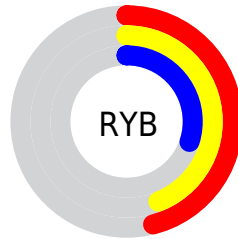
Distribution



Red (46%)

Green (37%)

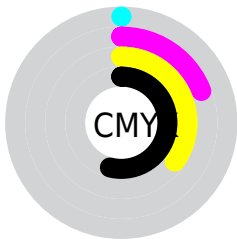
Blue (30%)



Red (46%)

Yellow (44%)

Blue (30%)

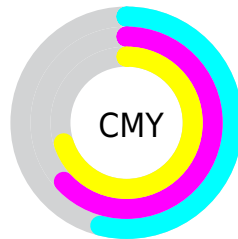


Cyan (0%)

Magenta (19%)

Yellow (35%)

Black (54%)



Cyan (54%)

Magenta (63%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 15.415, 67.427 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, 15.415, 67.427 by changing the saturation by 10% instead.

■ 42, 15.415, 67.427

■ 42, 15.415, 67.427

■ 100, 15.415,
67.427

■ 32, 15.415, 67.427

■ 62, 15.415, 67.427

■ 22, 15.415, 67.427

■ 72, 15.415, 67.427

■ 12, 15.415, 67.427

■ 82, 15.415, 67.427

■ 2, 15.415, 67.427

■ 92, 15.415, 67.427

■ 0, 15.415, 67.427

■ 42, 15.415, 67.427

■ 42, 15.415, 67.427

■ 40, 20.331, 66.323

■ 44, 10.734, 68.547

■ 38, 25.466, 65.213

■ 46, 6.284, 69.651

■ 36, 30.765, 64.087

■ 48, 2.049, 70.677

■ 34, 36.096, 62.892

■ 50, 1.987, 252.041

■ 33, 41.189, 61.505

■ 52, 5.845, 253.029

■ 31, 45.716, 59.819

■ 55, 9.545, 254.060

■ 31, 48.122, 59.230

■ 57, 13.103,
255.069

■ 59, 16.537,
256.046

■ 61, 19.860,
256.987

Harmonies

Complementary

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



42, 15.415, 67.427



41, 13.737, 256.615

Rectangle

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



42, 15.415, 67.427



42, 15.415, 117.427



42, 15.415, 247.427



42, 15.415, 297.427

Sweetspot

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



42, 15.415, 67.434



60, 5.673, 70.055



38, 21.866, 344.031



31, 3.799, 69.946



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 15.415, 67.434



52, 23.498, 66.539



48, 22.623, 104.727



24, 2.322, 70.290



32, 49.848, 59.108



64, 85.733, 56.919

Inverse Universe

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



41, 13.737, 256.615



50, 20.316, 258.332



35, 24.368, 292.469



23, 2.265, 252.502



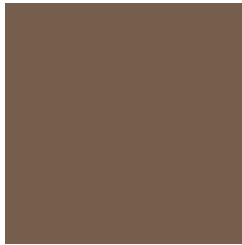
27, 37.699, 278.400



56, 67.232, 281.196

Previews

White Background



This preview shows how the CIELCh color 42, 15.415, 67.427 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, 15.415, 67.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

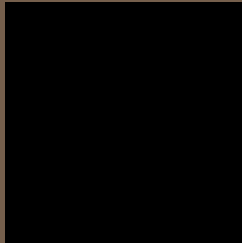
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 15.415, 67.427

Background



This preview shows how black text looks on a background with the CIELCh color 42, 15.415, 67.427.



This preview shows how white text looks on a background with the CIELCh color 42, 15.415, 67.427.

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, 15.415, 67.427

Protanopia

42, 12.993, 94.220

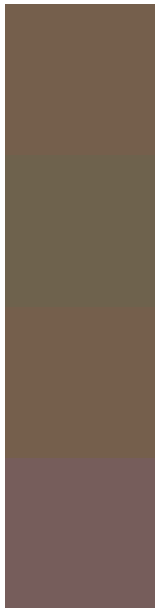
Deuteranopia

42, 15.415, 67.427



Tritanopia
42, 12.231, 1.084

Trichromacy



Original Color
42, 15.415, 67.427

Protanomaly
42, 13.776, 84.941

Deuteranomaly
42, 15.415, 67.427

Tritanomaly
42, 11.049, 27.028

Monochromacy



Original Color
42, 15.415, 67.427

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.447, 70.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 15.415, 67.427 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(117, 95, 76)` looks like.

```
.text, #text, p{  
    color:rgb(117, 95, 76)  
}
```

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(117, 95, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 95, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 15.415, 67.427 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(117, 95, 76) }
```

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

```
.border{ border-color:rgb(117, 95, 76) }
```

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

Here you see how a box with a 4 pixel rgb(117, 95, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 95, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 95, 76);  
box-shadow:4px 4px 4px 4px rgb(117, 95,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 15.415, 67.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 95, 76) }
```

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

```
.background{ background-color: rgb(117, 95,  
76) }
```

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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