

Converting Colors

CIELCh(42, 17.061, 27.781)

Have a look what the booklet for
CIELCh(42, 17.061, 27.781) contains.

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Color

CIELCh(42, 16.703, 27.746)

Conversions

Conversions Part 1

Format	Color
Hex	7F5A57
RGB	127, 90, 87
RGB Percent	50%, 35%, 34%
CMY	0.5022, 0.6472, 0.6590
CMYK	0.00, 0.29, 0.32, 0.50
HSL	5°, 19%, 42%
HSV	5°, 32%, 50%
XYZ	14.1155, 12.5000, 10.6758
YIQ	100.7210, 23.0150, 6.9110

Conversions

Conversions Part 2

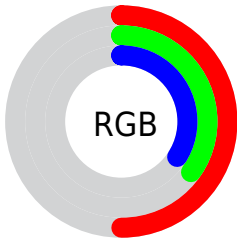
Format	Color
R_{YB}	127, 90, 87
Decimal	8346199
CIE Lab	42.00, 14.78, 7.78
CIE LCh	42, 16.703, 27.746
Yxy	12.5000, 0.3785, 0.3352
Android (android.graphics.Color)	4286536279 (0xFF7F5A57)
YUV	100.7210, -6.7645, 23.0467
Hunter-Lab	35.3553, 9.3937, 6.8457

Details

The CIELCh color $42, 16.703, 27.746$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $49, 13.480, 205.600$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 16.895, 26.680$, and $22, 16.882, 27.485$ is the 20% darker color. If you saturate the color by 10%, you get $39, 22.847, 28.703$, and if you desaturate by 10%, it is $45, 10.964, 27.039$.

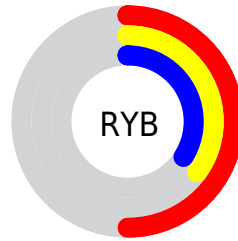
Distribution



Red (50%)

Green (35%)

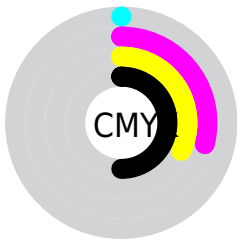
Blue (34%)



Red (50%)

Yellow (35%)

Blue (34%)

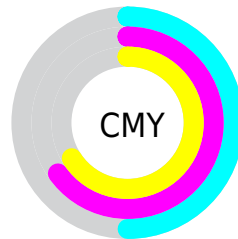


Cyan (0%)

Magenta (29%)

Yellow (32%)

Black (50%)



Cyan (50%)

Magenta (65%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 16.703, 27.746 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, 16.703, 27.746 by changing the saturation by 10% instead.

■ 42, 16.703, 27.746

■ 42, 16.703, 27.746

■ 100, 16.703,
27.746

■ 32, 16.703, 27.746

■ 62, 16.703, 27.746

■ 22, 16.703, 27.746

■ 72, 16.703, 27.746

■ 12, 16.703, 27.746

■ 82, 16.703, 27.746

■ 2, 16.703, 27.746

■ 92, 16.703, 27.746

■ 0, 16.703, 27.746

■ 42, 16.703, 27.746

■ 42, 16.703, 27.746

■ 39, 22.847, 28.703

■ 45, 10.964, 27.039

■ 36, 29.360, 29.963

■ 49, 5.639, 26.493

■ 33, 36.155, 31.595

■ 53, 0.709, 25.636

■ 30, 43.080, 33.638

■ 56, 3.854, 206.045

■ 28, 49.879, 36.029

■ 60, 8.085, 205.817

■ 27, 55.959, 38.330

■ 64, 12.019,
205.691

■ 26, 59.852, 39.811

■ 67, 15.690,
205.621

■ 71, 19.131,
205.591

■ 75, 22.368,
205.589

Harmonies

Complementary

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



42, 16.703, 27.746



49, 13.480, 205.600

Rectangle

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



42, 16.703, 27.746



42, 16.703, 77.746



42, 16.703, 207.746



42, 16.703, 257.746

Sweetspot

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



42, 16.702, 27.752



64, 5.437, 26.380



42, 27.244, 327.996



33, 3.827, 26.442



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 16.702, 27.752



51, 25.767, 28.429



47, 15.496, 78.335



25, 2.746, 26.374



26, 60.073, 39.837



0, 0.000, 0.000

Inverse Universe

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



49, 13.480, 205.600



63, 19.617, 205.591



44, 14.743, 267.114



26, 2.596, 206.001



45, 27.354, 208.870



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 16.703, 27.746 looks on a white background.

Color Contrast Check

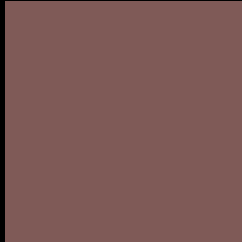
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.703, 27.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

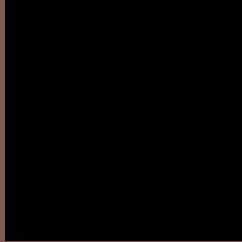
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.703, 27.746

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.703, 27.746.

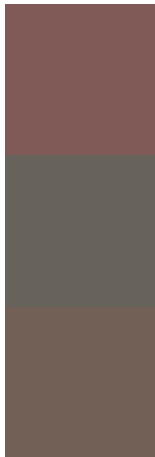


This preview shows how white text looks on a background with the CIELCh color 42, 16.703, 27.746.

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, 16.703, 27.746

Protanopia

42, 4.538, 87.333

Deuteranopia

42, 10.064, 56.625



Tritanopia
42, 17.272, 9.993

Trichromacy



Original Color
42, 16.703, 27.746

Protanomaly
42, 7.898, 47.220

Deuteranomaly
42, 12.239, 43.635

Tritanomaly
42, 17.203, 15.918

Monochromacy



Original Color
42, 16.703, 27.746

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 5.586, 26.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.703, 27.746 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(127, 90, 87)` looks like.

```
.text, #text, p{  
    color:rgb(127, 90, 87)  
}
```

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(127, 90, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 90, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.703, 27.746 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(127, 90, 87) }
```

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

```
.border{ border-color:rgb(127, 90, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 90, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 90, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 90, 87);  
box-shadow:4px 4px 4px 4px rgb(127, 90,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.703, 27.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 90, 87) }
```

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

```
.background{ background-color: rgb(127, 90,  
87) }
```

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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