

Converting Colors

CIELCh(42, 10.418, 17.510)

Have a look what the booklet for
CIELCh(42, 10.418, 17.510) contains.

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Color

CIELCh(42, 10.418, 17.510)

Conversions

Conversions Part 1

Format	Color
Hex	755D5E
RGB	117, 93, 94
RGB Percent	46%, 36%, 37%
CMY	0.5399, 0.6341, 0.6302
CMYK	0.00, 0.20, 0.20, 0.54
HSL	358°, 11%, 41%
HSV	358°, 20%, 46%
XYZ	13.3544, 12.5000, 12.3702
YIQ	100.2900, 13.9830, 5.3990

Conversions

Conversions Part 2

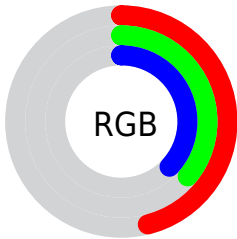
Format	Color
R_{YB}	117, 93, 94
Decimal	7691614
CIE Lab	42.00, 9.94, 3.13
CIE LCh	42, 10.418, 17.510
Yxy	12.5000, 0.3494, 0.3270
Android (android.graphics.Color)	4285881694 (0xFF755D5E)
YUV	100.2900, -3.1010, 14.6547
Hunter-Lab	35.3553, 5.5510, 4.0042

Details

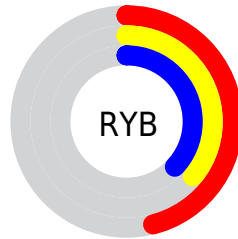
The CIELCh color $[42, 10.418, 17.510]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[48, 9.259, 194.741]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 10.389, 17.332]$, and $[22, 10.285, 17.925]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 16.034, 18.612]$, and if you desaturate by 10%, it is $[46, 5.145, 16.616]$.

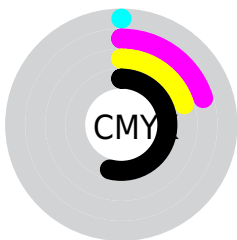
Distribution



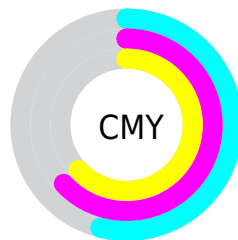
- Red (46%)
- Green (36%)
- Blue (37%)



- Red (46%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (20%)
- Yellow (20%)
- Black (54%)





















- Cyan (54%)
- Magenta (63%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 10.418, 17.510 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, 10.418, 17.510 by changing the saturation by 10% instead.

 42, 10.418, 17.510	 42, 10.418, 17.510
 100, 10.418, 17.510	 32, 10.418, 17.510
 62, 10.418, 17.510	 22, 10.418, 17.510
 72, 10.418, 17.510	 12, 10.418, 17.510
 82, 10.418, 17.510	 2, 10.418, 17.510
 92, 10.418, 17.510	 0, 10.418, 17.510

 42, 10.418, 17.510	 42, 10.418, 17.510
 39, 16.034, 18.612	 46, 5.145, 16.616
 35, 21.965, 19.987	 49, 0.223, 14.331

■ 32, 28.133, 21.734

■ 53, 4.365, 195.498

■ 29, 34.411, 23.957

■ 57, 8.644, 194.979

■ 27, 40.627, 26.748

■ 60, 12.644,
194.565

■ 25, 46.575, 30.130

■ 64, 16.394,
194.217

■ 24, 51.957, 33.864

■ 23, 55.875, 35.934

■ 68, 19.922,
193.919

■ 71, 23.255,
193.662

■ 75, 26.416,
193.436

Harmonies

Complementary

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



42, 10.418, 17.510



48, 9.259, 194.741

Rectangle

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



42, 10.418, 17.510



42, 10.418, 67.510



42, 10.418, 197.510



42, 10.418, 247.510

Sweetspot

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



42, 10.417, 17.517



61, 3.611, 16.244



43, 17.128, 324.092



31, 2.385, 16.286



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, 10.417, 17.517



52, 16.094, 18.053



45, 8.643, 67.561



23, 2.752, 16.494



24, 57.890, 36.340



52, 101.390, 38.850

Inverse Universe

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



42, 10.417, 17.517



52, 16.094, 18.053



44, 8.079, 252.479



23, 2.752, 16.494



24, 57.890, 36.340



52, 101.390, 38.850

Previews

White Background



This preview shows how the CIELCh color 42, 10.418, 17.510 looks on a white background.

Color Contrast Check

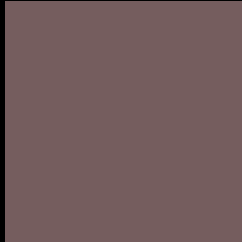
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.418, 17.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

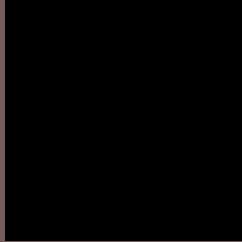
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 10.418, 17.510

Background



This preview shows how black text looks on a background with the CIELCh color 42, 10.418, 17.510.

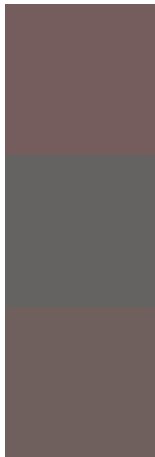


This preview shows how white text looks on a background with the CIELCh color 42, 10.418, 17.510.

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, 10.418, 17.510

Protanopia

42, 1.458, 74.819

Deuteranopia

42, 6.577, 30.673



Tritanopia
42, 12.016, 357.566

Trichromacy



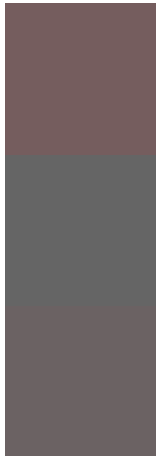
Original Color
42, 10.418, 17.510

Protanomaly
42, 4.294, 27.909

Deuteranomaly
42, 7.800, 24.782

Tritanomaly
42, 11.664, 3.088

Monochromacy



Original Color
42, 10.418, 17.510

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 3.839, 10.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 10.418, 17.510 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, 93, 94)` looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 94)  
}
```

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, 93, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 10.418, 17.510 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, 93, 94) }
```

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

```
.border{ border-color:rgb(117, 93, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 93, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 94);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 10.418, 17.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 94) }
```

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

```
.background{ background-color: rgb(117, 93,  
94) }
```

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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