

Converting Colors

CIELCh(40, 18.009, 0.635)

Have a look what the booklet for
CIELCh(40, 18.009, 0.635) contains.

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Color

CIELCh(40, 18.415, 1.222)

Conversions

Conversions Part 1

Format	Color
Hex	7B535E
RGB	123, 83, 94
RGB Percent	48%, 33%, 37%
CMY	0.5169, 0.6738, 0.6307
CMYK	0.00, 0.32, 0.24, 0.52
HSL	344°, 19%, 40%
HSV	344°, 32%, 48%
XYZ	13.3320, 11.2510, 12.1015
YIQ	96.2140, 20.3090, 11.9010

Conversions

Conversions Part 2

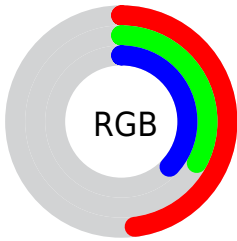
Format	Color
RYB	123, 83, 94
Decimal	8082270
CIELab	40.00, 18.41, 0.39
CIElCh	40, 18.415, 1.222
Yxy	11.2510, 0.3634, 0.3067
Android (android.graphics.Color)	4286272350 (0xFF7B535E)
YUV	96.2140, -1.0915, 23.4913
Hunter-Lab	33.5425, 12.2486, 2.0890

Details

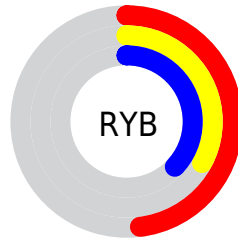
The CIELCh color **40, 18.415, 1.222** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **49, 16.644, 174.666**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 18.204, 1.650**, and **20, 18.541, 1.132** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.355, 2.749**, and if you desaturate by 10%, it is **43, 12.538, 359.943**.

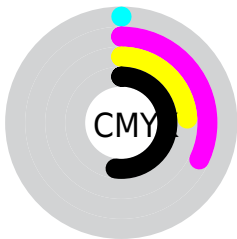
Distribution



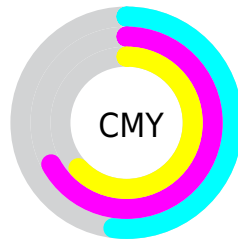
- Red (48%)
- Green (33%)
- Blue (37%)



- Red (48%)
- Yellow (33%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (24%)
- Black (52%)



- Cyan (52%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 18.415, 1.222 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 40, 18.415, 1.222 by changing the saturation by 10% instead.

 40, 18.415, 1.222  40, 18.415, 1.222

 100, 18.415, 1.222  30, 18.415, 1.222



 60, 18.415, 1.222  20, 18.415, 1.222

 70, 18.415, 1.222  10, 18.415, 1.222

 80, 18.415, 1.222  0, 18.415, 1.222

 90, 18.415, 1.222

 40, 18.415, 1.222  40, 18.415, 1.222

 37, 24.355, 2.749  43, 12.538,
359.943

 34, 30.214, 4.599

 47, 6.826, 358.834

 31, 35.786, 6.888

■ 29, 40.831, 9.753

■ 51, 1.329, 357.685

■ 27, 45.139, 13.344

■ 55, 3.929, 177.199

■ 26, 48.626, 17.761

■ 58, 8.945, 176.413

■ 25, 51.183, 21.149

■ 62, 13.726,
175.736

■ 66, 18.287,
175.129

■ 70, 22.645,
174.577

■ 73, 26.818,
174.072

Harmonies

Complementary

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



40, 18.415, 1.222



49, 16.644, 174.666

Rectangle

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



40, 18.415, 1.222



40, 18.415, 51.222



40, 18.415, 181.222



40, 18.415, 231.222

Sweetspot

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



40, 18.413, 1.225



62, 6.766, 358.601



40, 26.786, 317.591



32, 4.663, 358.722



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 18.413, 1.225



49, 27.722, 2.337



42, 15.229, 40.914



24, 3.043, 358.478



25, 51.730, 21.240



53, 88.826, 24.550

Inverse Universe

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



40, 18.413, 1.225



49, 27.722, 2.337



46, 12.306, 223.188



24, 3.043, 358.478



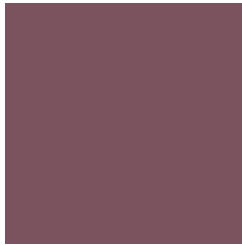
25, 51.730, 21.240



53, 88.826, 24.550

Previews

White Background



This preview shows how the CIE LCh color 40, 18.415, 1.222 looks on a white background.

Color Contrast Check

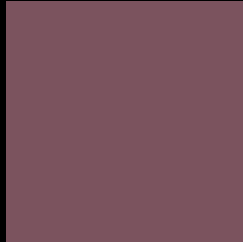
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 18.415, 1.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

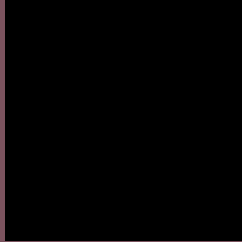
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 18.415, 1.222

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.415, 1.222.



This preview shows how white text looks on a background with the CIELCh color 40, 18.415, 1.222.

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

40, 18.415, 1.222

Protanopia

40, 4.294, 296.285

Deuteranopia

40, 5.694, 7.857



Tritanopia
40, 17.442, 10.148

Trichromacy



Original Color
40, 18.415, 1.222

Protanomaly
40, 8.356, 339.636

Deuteranomaly
40, 10.354, 3.912

Tritanomaly
40, 17.592, 6.258

Monochromacy



Original Color
40, 18.415, 1.222

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 6.837, 359.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 18.415, 1.222 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(123, 83, 94)` looks like.

```
.text, #text, p{  
    color:rgb(123, 83, 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(123, 83, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 83, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.415, 1.222 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(123, 83, 94) }
```

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

```
.border{ border-color:rgb(123, 83, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 83, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 83, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 83, 94);  
box-shadow:4px 4px 4px 4px rgb(123, 83,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.415, 1.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 83, 94) }
```

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

```
.background{ background-color: rgb(123, 83,  
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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