

Converting Colors

CIELCh(40, 16.960, 342.714)

Have a look what the booklet for
CIELCh(40, 16.960, 342.714)
contains.

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Color

CIELCh(40, 17.185, 342.625)

Conversions

Conversions Part 1

Format	Color
Hex	755567
RGB	117, 85, 103
RGB Percent	46%, 33%, 40%
CMY	0.5413, 0.6668, 0.5962
CMYK	0.00, 0.27, 0.12, 0.54
HSL	326°, 16%, 40%
HSV	326°, 27%, 46%
XYZ	13.0250, 11.2510, 14.3094
YIQ	96.6200, 13.2940, 12.3820

Conversions

Conversions Part 2

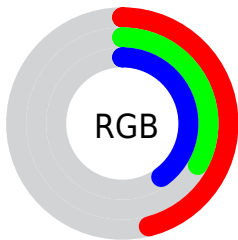
Format	Color
R_{YB}	117, 85, 103
Decimal	7689575
CIE _{Lab}	40.00, 16.40, -5.13
CIE _{LCh}	40, 17.185, 342.625
Yxy	11.2510, 0.3376, 0.2916
Android (android.graphics.Color)	4285879655 (0xFF755567)
YUV	96.6200, 3.1453, 17.8733
Hunter-Lab	33.5425, 10.6145, -1.8138

Details

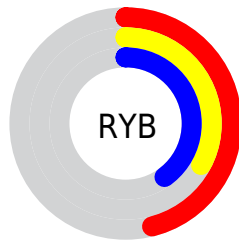
The CIELCh color $[40, 17.185, 342.625]$ is a dark color, and the websafe version is hex `#996666`. A complement of this color would be $[46, 16.787, 158.172]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 17.284, 343.102]$, and $[20, 17.350, 342.571]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 23.475, 343.597]$, and if you desaturate by 10%, it is $[43, 10.839, 341.747]$.

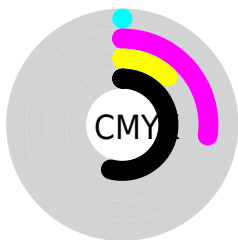
Distribution



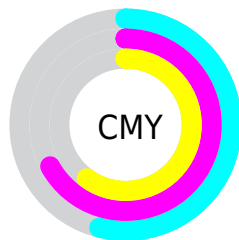
- Red (46%)
- Green (33%)
- Blue (40%)



- Red (46%)
- Yellow (33%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (12%)
- Black (54%)





- Cyan (54%)
- Magenta (67%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.185, 342.625 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, 17.185, 342.625 by changing the saturation by 10% instead.

 40, 17.185,
342.625


 40, 17.185,
342.625


 100, 17.185,
342.625


 30, 17.185,
342.625

 60, 17.185,
342.625


 20, 17.185,
342.625

 70, 17.185,
342.625


 10, 17.185,
342.625

 80, 17.185,
342.625

 0, 17.185, 342.625

 90, 17.185,
342.625

 40, 17.185,

 40, 17.185,

342.625

37, 23.475,
343.597

34, 29.551,
344.689

31, 35.189,
345.943

29, 40.113,
347.419

27, 44.029,
349.200

26, 46.692,
351.392

24, 48.289,
353.990

24, 48.725,
354.670

342.625

43, 10.839,
341.747

47, 4.551, 340.919

50, 1.611, 160.407

54, 7.609, 159.604

57, 13.424,
158.962

61, 19.051,
158.371

64, 24.494,
157.822

68, 29.759,
157.308

71, 34.858,

Harmonies

Complementary

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



40, 17.185, 342.625



46, 16.787, 158.172

Rectangle

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



40, 17.185, 342.625



40, 17.185, 32.625



40, 17.185, 162.625



40, 17.185, 212.625

Sweetspot

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



40, 17.183, 342.626



60, 6.174, 340.990



39, 20.451, 308.074



30, 4.367, 341.094



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 17.183, 342.626



50, 25.855, 343.245



40, 14.199, 16.293



23, 3.497, 341.059



26, 50.295, 354.848



54, 84.566, 356.946

Inverse Universe

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



40, 17.183, 342.626



50, 25.855, 343.245



47, 12.186, 192.079



23, 3.497, 341.059



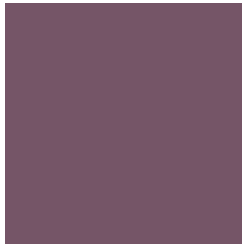
26, 50.295, 354.848



54, 84.566, 356.946

Previews

White Background



This preview shows how the CIELCh color 40, 17.185, 342.625 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, 17.185, 342.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

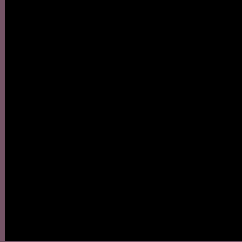
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.185, 342.625

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.185, 342.625.



This preview shows how white text looks on a background with the CIELCh color 40, 17.185, 342.625.

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, 17.185, 342.625

Protanopia

40, 9.159, 286.665

Deuteranopia

40, 6.962, 319.198



Tritanopia
40, 13.038, 5.219

Trichromacy



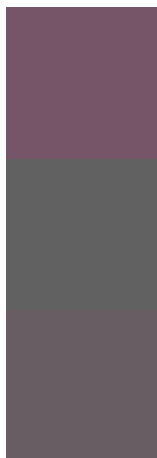
Original Color
40, 17.185, 342.625

Protanomaly
40, 10.612, 313.897

Deuteranomaly
40, 10.629, 332.754

Tritanomaly
40, 14.375, 354.011

Monochromacy



Original Color
40, 17.185, 342.625

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 5.891, 342.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.185, 342.625 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, 85, 103)` looks like.

```
.text, #text, p{  
    color:rgb(117, 85, 103)  
}
```

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, 85, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 85, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.185, 342.625 is called "border". The border property can be set on classes, ids or directly on the HTML element.

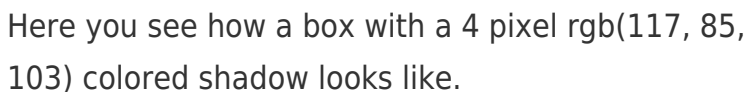
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 85, 103) }
```

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

```
.border{ border-color:rgb(117, 85, 103) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 85, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 85, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 85, 103);  
box-shadow:4px 4px 4px 4px rgb(117, 85,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.185, 342.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 85, 103) }
```

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

```
.background{ background-color: rgb(117, 85,  
103) }
```

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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