

Converting Colors

CIELCh(40, 33.276, 330.281)

Have a look what the booklet for
CIELCh(40, 33.276, 330.281)
contains.

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Color

CIELCh(40, 33.307, 330.085)

Conversions

Conversions Part 1

Format	Color
Hex	804D7A
RGB	128, 77, 122
RGB Percent	50%, 30%, 48%
CMY	0.4989, 0.6988, 0.5224
CMYK	0.00, 0.40, 0.05, 0.50
HSL	307°, 25%, 40%
HSV	307°, 40%, 50%
XYZ	15.0079, 11.2510, 19.7232
YIQ	97.3790, 15.9510, 24.8070

Conversions

Conversions Part 2

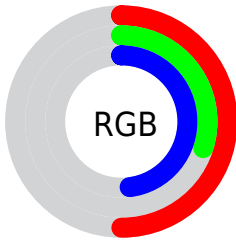
Format	Color
R_{YB}	128, 77, 122
Decimal	8408442
CIE _{Lab}	40.00, 28.87, -16.61
CIE _{LCh}	40, 33.307, 330.085
Yxy	11.2510, 0.3264, 0.2447
Android (android.graphics.Color)	4286598522 (0xFF804D7A)
YUV	97.3790, 12.1382, 26.8546
Hunter-Lab	33.5425, 21.1668, -11.3831

Details

The CIELCh color $40, 33.307, 330.085$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $49, 33.316, 144.815$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 33.658, 329.897$, and $20, 33.200, 329.943$ is the 20% darker color. If you saturate the color by 10%, you get $37, 41.043, 330.658$, and if you desaturate by 10%, it is $43, 25.120, 329.506$.

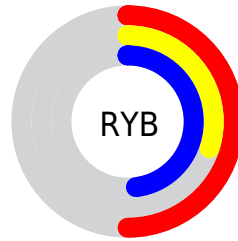
Distribution



Red (50%)

Green (30%)

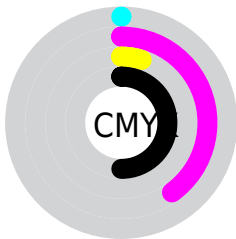
Blue (48%)



Red (50%)

Yellow (30%)

Blue (48%)

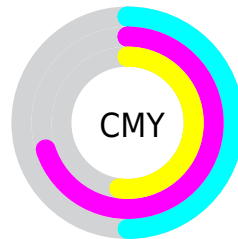


Cyan (0%)

Magenta (40%)

Yellow (5%)

Black (50%)



Cyan (50%)


Magenta (70%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.307, 330.085 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, 33.307, 330.085 by changing the saturation by 10% instead.


 40, 33.307,
330.085


 40, 33.307,
330.085


 100, 33.307,
330.085


 30, 33.307,
330.085

 60, 33.307,
330.085


 20, 33.307,
330.085

 70, 33.307,
330.085


 10, 33.307,
330.085

 80, 33.307,
330.085

 0, 33.307, 330.085

 90, 33.307,
330.085

 40, 33.307,

 40, 33.307,

330.085

330.085

37, 41.043,
330.658

43, 25.120,
329.506

35, 48.041,
331.218

46, 16.722,
328.924

32, 53.970,
331.764

50, 8.283, 328.341

31, 58.519,
332.297

54, 0.079, 150.416

57, 8.287, 147.291

30, 61.470,
332.826

61, 16.295,
146.758

29, 63.301,
333.356

65, 24.080,
146.256

29, 63.320,
333.361

68, 31.634,
145.780

72, 38.957,

Harmonies

Complementary

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



40, 33.307, 330.085



49, 33.316, 144.815

Rectangle

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



40, 33.307, 330.085



40, 33.307, 20.085



40, 33.307, 150.085



40, 33.307, 200.085

Sweetspot

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



40, 33.305, 330.085



63, 12.439, 328.481



35, 31.895, 298.777



32, 8.320, 328.541



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 33.305, 330.085



48, 48.915, 330.613



39, 24.459, 354.755



25, 4.706, 328.293



29, 63.222, 333.360



0, 0.000, 0.000

Inverse Universe

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



40, 33.305, 330.085



48, 48.915, 330.613



50, 22.549, 166.525



25, 4.706, 328.293



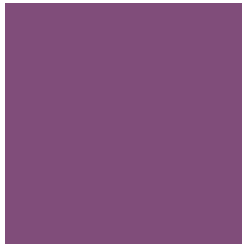
29, 63.222, 333.360



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 33.307, 330.085 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, 33.307, 330.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

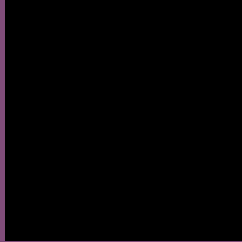
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 33.307, 330.085

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.307, 330.085.



This preview shows how white text looks on a background with the CIELCh color 40, 33.307, 330.085.

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, 33.307, 330.085

Protanopia

40, 25.110, 285.388

Deuteranopia

40, 15.853, 289.861



Tritanopia
40, 18.407, 9.056

Trichromacy



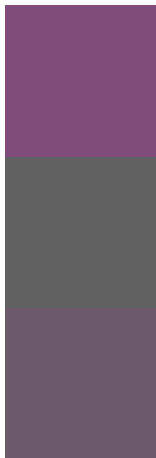
Original Color
40, 33.307, 330.085

Protanomaly
40, 26.733, 303.295

Deuteranomaly
40, 21.277, 310.833

Tritanomaly
40, 22.209, 348.200

Monochromacy



Original Color
40, 33.307, 330.085

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 12.241, 328.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.307, 330.085 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(128, 77, 122)` looks like.

```
.text, #text, p{  
    color:rgb(128, 77, 122)  
}
```

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(128, 77, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 77, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.307, 330.085 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(128, 77, 122) }
```

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

```
.border{ border-color:rgb(128, 77, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 77, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 77, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 77, 122);  
box-shadow:4px 4px 4px 4px rgb(128, 77,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.307, 330.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 77, 122) }
```

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

```
.background{ background-color: rgb(128, 77,  
122) }
```

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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