

Converting Colors

CIELCh(40, 33.755, 327.471)

Have a look what the booklet for
CIELCh(40, 33.755, 327.471)
contains.

CIELCh(40, 33.836, 327.610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 33.836, 327.610)

Conversions

Conversions Part 1

Format	Color
Hex	7E4D7C
RGB	126, 77, 124
RGB Percent	49%, 30%, 49%
CMY	0.5050, 0.6972, 0.5129
CMYK	0.00, 0.39, 0.02, 0.50
HSL	302°, 24%, 40%
HSV	302°, 39%, 50%
XYZ	14.9584, 11.2510, 20.5257
YIQ	97.0090, 14.1170, 25.0050

Conversions

Conversions Part 2

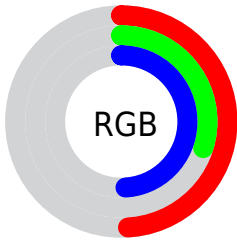
Format	Color
R_{YB}	126, 77, 124
Decimal	8277372
CIE _{Lab}	40.00, 28.57, -18.13
CIE _{LCh}	40, 33.836, 327.610
Yxy	11.2510, 0.3201, 0.2407
Android (android.graphics.Color)	4286467452 (0xFF7E4D7C)
YUV	97.0090, 13.3066, 25.4251
Hunter-Lab	33.5425, 20.9033, -12.8018

Details

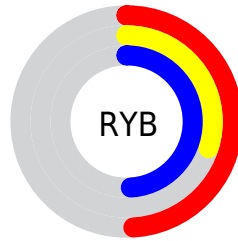
The CIELCh color **40, 33.836, 327.610** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **48, 33.879, 142.751**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 34.117, 327.631**, and **20, 34.029, 327.879** is the 20% darker color. If you saturate the color by 10%, you get **37, 41.954, 328.105**, and if you desaturate by 10%, it is **43, 25.276, 327.088**.

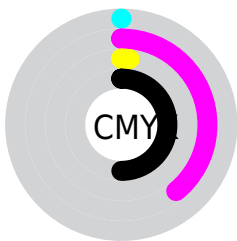
Distribution



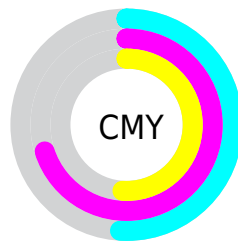
- Red (49%)
- Green (30%)
- Blue (49%)



- Red (49%)
- Yellow (30%)
- Blue (49%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (50%)





- Cyan (51%)
- Magenta (70%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.836, 327.610 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, 33.836, 327.610 by changing the saturation by 10% instead.


 40, 33.836,
327.610


 40, 33.836,
327.610


 100, 33.836,
327.610


 30, 33.836,
327.610

 60, 33.836,
327.610


 20, 33.836,
327.610

 70, 33.836,
327.610

 10, 33.836,
327.610

 80, 33.836,
327.610

 0, 33.836, 327.610

 90, 33.836,
327.610

 40, 33.836,

 40, 33.836,

327.610

327.610

37, 41.954,
328.105

43, 25.276,
327.088

35, 49.346,
328.561

46, 16.510,
326.550

33, 55.688,
328.967

50, 7.709, 326.000

31, 60.676,
329.315

53, 1.007, 145.681

57, 9.559, 144.992

30, 64.095,
329.602

61, 17.901,
144.480

29, 66.283,
329.843

64, 26.008,
143.995

29, 66.535,
329.871

68, 33.870,
143.535

72, 41.487,

Harmonies

Complementary

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



40, 33.836, 327.610



48, 33.879, 142.751

Rectangle

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



40, 33.836, 327.610



40, 33.836, 17.610



40, 33.836, 147.610



40, 33.836, 197.610

Sweetspot

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



40, 33.834, 327.610



62, 12.950, 326.192



35, 30.617, 296.071



31, 8.550, 326.247



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, 33.834, 327.610



48, 49.891, 328.070



39, 24.554, 349.279



25, 4.962, 326.015



29, 67.016, 329.873



0, 0.000, 0.000

Inverse Universe

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



40, 33.834, 327.610



48, 49.891, 328.070



49, 23.280, 161.804



25, 4.962, 326.015



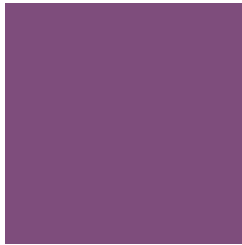
29, 67.016, 329.873



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 33.836, 327.610 looks on a white background.

Color Contrast Check

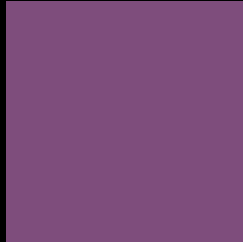
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.836, 327.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

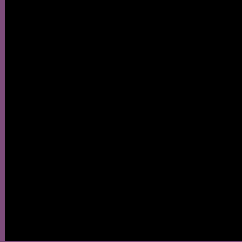
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 33.836, 327.610

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.836, 327.610.



This preview shows how white text looks on a background with the CIELCh color 40, 33.836, 327.610.

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, 33.836, 327.610

Protanopia
40, 26.928, 285.653

Deuteranopia
40, 17.077, 289.026



Tritanopia
40, 17.075, 7.754

Trichromacy



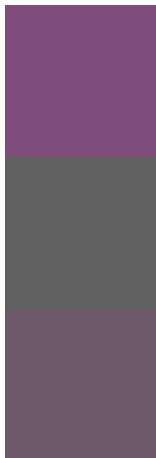
Original Color
40, 33.836, 327.610

Protanomaly
40, 27.831, 301.509

Deuteranomaly
40, 22.325, 308.958

Tritanomaly
40, 21.506, 346.718

Monochromacy



Original Color
40, 33.836, 327.610

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 12.719, 326.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.836, 327.610 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(126, 77, 124)` looks like.

```
.text, #text, p{  
    color:rgb(126, 77, 124)  
}
```

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(126, 77, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 77, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.836, 327.610 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(126, 77, 124) }
```

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

```
.border{ border-color:rgb(126, 77, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 77, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 77, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 77, 124);  
box-shadow:4px 4px 4px 4px rgb(126, 77,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.836, 327.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 77, 124) }
```

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

```
.background{ background-color: rgb(126, 77,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor