

Converting Colors

CIELCh(40, 32.467, 331.456)

Have a look what the booklet for
CIELCh(40, 32.467, 331.456)
contains.

CIELCh(40, 32.430, 331.439)	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, 32.430, 331.439)

Conversions

Conversions Part 1

Format	Color
Hex	804D78
RGB	128, 77, 120
RGB Percent	50%, 30%, 47%
CMY	0.4981, 0.6981, 0.5294
CMYK	0.00, 0.40, 0.06, 0.50
HSL	309°, 25%, 40%
HSV	309°, 40%, 50%
XYZ	14.9437, 11.2510, 19.1505
YIQ	97.1510, 16.5930, 24.1850

Conversions

Conversions Part 2

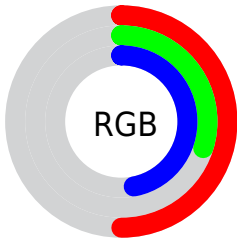
Format	Color
R_{YB}	128, 77, 120
Decimal	8408440
CIE _{Lab}	40.00, 28.48, -15.50
CIE _{LCh}	40, 32.430, 331.439
Yxy	11.2510, 0.3296, 0.2481
Android (android.graphics.Color)	4286598520 (0xFF804D78)
YUV	97.1510, 11.2646, 27.0546
Hunter-Lab	33.5425, 20.8252, -10.3708

Details

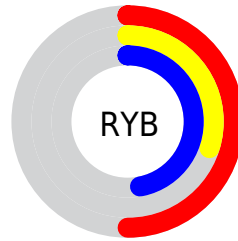
The CIELCh color **40, 32.430, 331.439** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **49, 32.394, 146.021**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 32.418, 331.784**, and **20, 32.266, 331.438** is the 20% darker color. If you saturate the color by 10%, you get **37, 39.984, 332.061**, and if you desaturate by 10%, it is **43, 24.440, 330.823**.

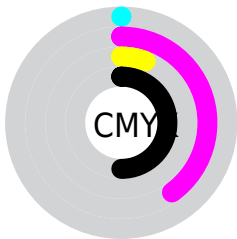
Distribution



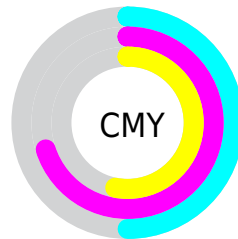
- Red (50%)
- Green (30%)
- Blue (47%)



- Red (50%)
- Yellow (30%)
- Blue (47%)



- Cyan (0%)
- Magenta (40%)
- Yellow (6%)
- Black (50%)





- Cyan (50%)
- Magenta (70%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 32.430, 331.439 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, 32.430, 331.439 by changing the saturation by 10% instead.


 40, 32.430,
331.439


 40, 32.430,
331.439


 100, 32.430,
331.439


 30, 32.430,
331.439

 60, 32.430,
331.439


 20, 32.430,
331.439


 70, 32.430,
331.439


 10, 32.430,
331.439

 80, 32.430,
331.439

 0, 32.430, 331.439

 90, 32.430,
331.439

 40, 32.430,

 40, 32.430,

331.439

331.439

37, 39.984,
332.061

43, 24.440,
330.823

35, 46.818,
332.688

47, 16.249,
330.213

32, 52.600,
333.322

50, 8.024, 329.608

31, 57.013,
333.973

54, 0.120, 150.839

57, 8.111, 148.533

29, 59.832,
334.657

61, 15.906,
147.989

29, 61.524,
335.369

65, 23.484,
147.478

29, 61.551,
335.380

69, 30.835,
146.994

72, 37.964,

Harmonies

Complementary

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



40, 32.430, 331.439



49, 32.394, 146.021

Rectangle

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



40, 32.430, 331.439



40, 32.430, 21.439



40, 32.430, 151.439



40, 32.430, 201.439

Sweetspot

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



40, 32.428, 331.439



63, 12.101, 329.756



36, 31.926, 299.802



32, 8.094, 329.819



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, 32.428, 331.439



48, 47.635, 332.015



39, 24.121, 357.011



25, 4.578, 329.562



28, 61.383, 335.377



0, 0.000, 0.000

Inverse Universe

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



40, 32.428, 331.439



48, 47.635, 332.015



50, 21.962, 168.653



25, 4.578, 329.562



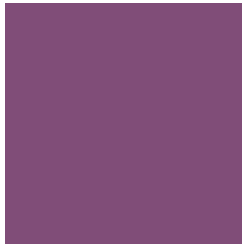
28, 61.383, 335.377



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 32.430, 331.439 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, 32.430, 331.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

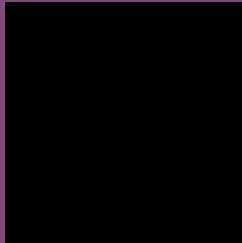
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 32.430, 331.439

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.430, 331.439.



This preview shows how white text looks on a background with the CIELCh color 40, 32.430, 331.439.

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, 32.430, 331.439

Protanopia

40, 23.883, 285.484

Deuteranopia

40, 14.632, 290.900



Tritanopia
40, 18.407, 9.056

Trichromacy



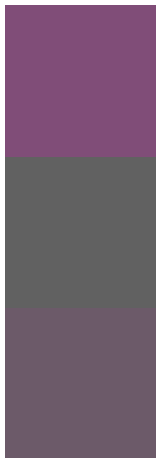
Original Color
40, 32.430, 331.439

Protanomaly
40, 25.546, 303.660

Deuteranomaly
40, 20.259, 312.941

Tritanomaly
40, 21.930, 349.569

Monochromacy



Original Color
40, 32.430, 331.439

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 11.776, 330.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.430, 331.439 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 77, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 77, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.430, 331.439 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, 120) }
```

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

```
.border{ border-color:rgb(128, 77, 120) }
```

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, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 77, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 77, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 77,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.430, 331.439 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, 120) }
```

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

```
.background{ background-color: rgb(128, 77,  
120) }
```

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