

Converting Colors

CIELCh(40, 33.448, 1.645)

Have a look what the booklet for
CIELCh(40, 33.448, 1.645) contains.

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Color

CIELCh(40, 33.460, 1.426)

Conversions

Conversions Part 1

Format	Color
Hex	90475E
RGB	144, 71, 94
RGB Percent	56%, 28%, 37%
CMY	0.4352, 0.7214, 0.6313
CMYK	0.00, 0.51, 0.35, 0.44
HSL	341°, 34%, 42%
HSV	341°, 51%, 56%
XYZ	15.7840, 11.2510, 11.9362
YIQ	95.4490, 36.1250, 22.6290

Conversions

Conversions Part 2

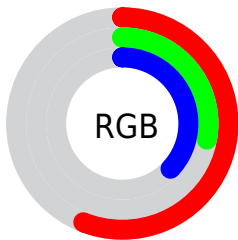
Format	Color
RYB	144, 71, 94
Decimal	9455454
CIELab	40.00, 33.45, 0.83
CIELCh	40, 33.460, 1.426
Yxy	11.2510, 0.4050, 0.2887
Android (android.graphics.Color)	4287645534 (0xFF90475E)
YUV	95.4490, -0.7144, 42.5792
Hunter-Lab	33.5425, 25.2967, 2.3812

Details

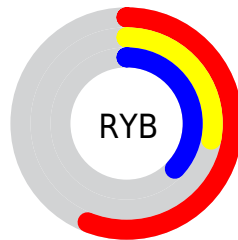
The CIELCh color $40, 33.460, 1.426$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $55, 29.127, 169.593$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 33.224, 1.918$, and $20, 33.477, 1.895$ is the 20% darker color. If you saturate the color by 10%, you get $37, 39.743, 3.606$, and if you desaturate by 10%, it is $44, 26.804, 359.660$.

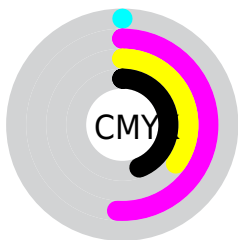
Distribution



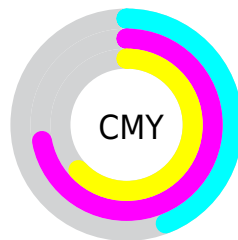
- Red (56%)
- Green (28%)
- Blue (37%)



- Red (56%)
- Yellow (28%)
- Blue (37%)



- Cyan (0%)
- Magenta (51%)
- Yellow (35%)
- Black (44%)



- Cyan (44%)
- Magenta (72%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.460, 1.426 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, 33.460, 1.426 by changing the saturation by 10% instead.

 40, 33.460, 1.426  40, 33.460, 1.426

 100, 33.460, 1.426  30, 33.460, 1.426

 60, 33.460, 1.426  20, 33.460, 1.426



 70, 33.460, 1.426  10, 33.460, 1.426

 80, 33.460, 1.426  0, 33.460, 1.426

 90, 33.460, 1.426

 40, 33.460, 1.426  40, 33.460, 1.426

 37, 39.743, 3.606  44, 26.804,
359.660

 34, 45.366, 6.332  47, 20.026,
358.194

 32, 50.060, 9.768

■ 31, 53.695, 14.052

■ 51, 13.304,
356.951

■ 30, 56.586, 18.503

■ 55, 6.749, 355.862

■ 60, 0.426, 354.120

■ 64, 5.637, 174.232

■ 68, 11.434,
173.462

■ 72, 16.973,
172.786

■ 77, 22.269,
172.174

Harmonies

Complementary

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



40, 33.460, 1.426



55, 29.127, 169.593

Rectangle

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



40, 33.460, 1.426



40, 33.460, 51.426



40, 33.460, 181.426



40, 33.460, 231.426

Sweetspot

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



40, 33.458, 1.428



68, 11.784, 356.352



39, 47.208, 317.269



35, 8.130, 356.558



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



40, 33.458, 1.428



47, 49.137, 3.993



42, 29.677, 38.380



28, 3.532, 355.705



28, 53.945, 18.139



0, 2.345, 354.924

Inverse Universe

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



40, 33.458, 1.428



47, 49.137, 3.993



51, 20.389, 220.366



28, 3.532, 355.705



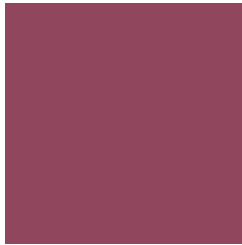
28, 53.945, 18.139



0, 2.345, 354.924

Previews

White Background



This preview shows how the CIELCh color 40, 33.460, 1.426 looks on a white background.

Color Contrast Check

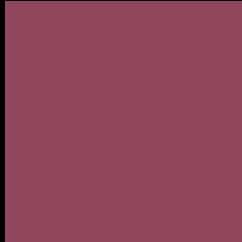
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 33.460, 1.426 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, 33.460, 1.426

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.460, 1.426.



This preview shows how white text looks on a background with the CIELCh color 40, 33.460, 1.426.

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, 33.460, 1.426

Protanopia

40, 8.534, 288.828

Deuteranopia

40, 6.083, 25.855



Tritanopia
40, 31.323, 19.192

Trichromacy



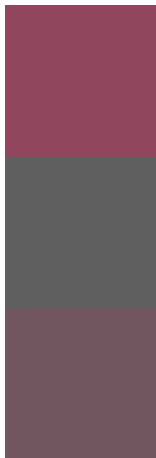
Original Color
40, 33.460, 1.426

Protanomaly
40, 14.941, 337.841

Deuteranomaly
40, 16.321, 4.734

Tritanomaly
40, 31.517, 12.933

Monochromacy



Original Color
40, 33.460, 1.426

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 12.756, 356.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.460, 1.426 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(144, 71, 94)` looks like.

```
.text, #text, p{  
    color:rgb(144, 71, 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(144, 71, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 71, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.460, 1.426 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(144, 71, 94) }
```

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

```
.border{ border-color:rgb(144, 71, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 71, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 71, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 71, 94);  
box-shadow:4px 4px 4px 4px rgb(144, 71,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.460, 1.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 71, 94) }
```

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

```
.background{ background-color: rgb(144, 71,  
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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