

Converting Colors

CIELCh(40, 38.988, 334.522)

Have a look what the booklet for
CIELCh(40, 38.988, 334.522)
contains.

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Color

CIELCh(40, 39.066, 334.711)

Conversions

Conversions Part 1

Format	Color
Hex	89477A
RGB	137, 71, 122
RGB Percent	54%, 28%, 48%
CMY	0.4624, 0.7212, 0.5212
CMYK	0.00, 0.48, 0.11, 0.46
HSL	314°, 32%, 41%
HSV	314°, 48%, 54%
XYZ	16.1088, 11.2510, 19.7638
YIQ	96.5480, 22.9650, 29.8530

Conversions

Conversions Part 2

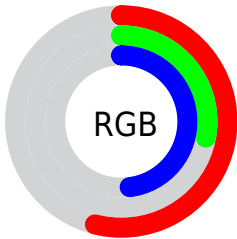
Format	Color
R_{YB}	137, 71, 122
Decimal	8996730
CIE _{Lab}	40.00, 35.32, -16.69
CIE _{LCh}	40, 39.066, 334.711
Yxy	11.2510, 0.3418, 0.2388
Android (android.graphics.Color)	4287186810 (0xFF89477A)
YUV	96.5480, 12.5478, 35.4764
Hunter-Lab	33.5425, 27.0253, -11.4550

Details

The CIELCh color **40, 39.066, 334.711** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **52, 38.988, 147.386**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 39.040, 334.556**, and **20, 38.820, 334.798** is the 20% darker color. If you saturate the color by 10%, you get **37, 46.096, 335.475**, and if you desaturate by 10%, it is **43, 31.343, 333.986**.

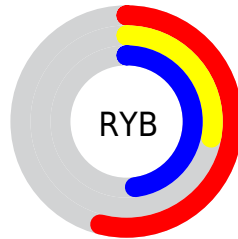
Distribution



Red (54%)

Green (28%)

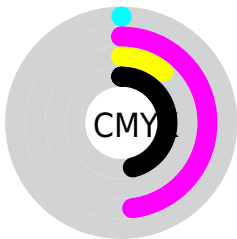
Blue (48%)



Red (54%)

Yellow (28%)

Blue (48%)

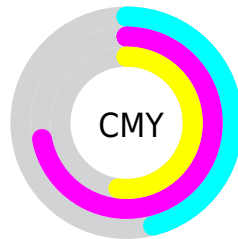


Cyan (0%)

Magenta (48%)

Yellow (11%)

Black (46%)



Cyan (46%)


Magenta (72%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 39.066, 334.711 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, 39.066, 334.711 by changing the saturation by 10% instead.


 40, 39.066,
334.711


 40, 39.066,
334.711


 100, 39.066,
334.711


 30, 39.066,
334.711

 60, 39.066,
334.711


 20, 39.066,
334.711

 70, 39.066,
334.711


 10, 39.066,
334.711

 80, 39.066,
334.711

 0, 39.066, 334.711

 90, 39.066,
334.711

 40, 39.066,

 40, 39.066,

334.711

37, 46.096,
335.475

35, 52.091,
336.291

33, 56.697,
337.183

31, 59.648,
338.185

30, 61.135,
339.310

30, 61.392,
339.519

334.711

43, 31.343,
333.986

47, 23.230,
333.291

50, 14.953,
332.621

54, 6.674, 331.965

58, 1.499, 151.553

62, 9.500, 150.838

66, 17.292,
150.274

70, 24.858,
149.746

74, 32.195,

Harmonies

Complementary

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



40, 39.066, 334.711



52, 38.988, 147.386

Rectangle

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



40, 39.066, 334.711



40, 39.066, 24.711



40, 39.066, 154.711



40, 39.066, 204.711

Sweetspot

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



40, 39.064, 334.711



66, 14.286, 332.370



35, 41.511, 302.812



33, 9.834, 332.493



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 39.064, 334.711



48, 56.845, 335.564



39, 30.293, 3.221



27, 4.644, 332.033



29, 59.957, 339.474



0, 2.141, 331.499

Inverse Universe

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



40, 39.064, 334.711



48, 56.845, 335.564



52, 26.091, 172.203



27, 4.644, 332.033



29, 59.957, 339.474



0, 2.141, 331.499

Previews

White Background



This preview shows how the CIELCh color 40, 39.066, 334.711 looks on a white background.

Color Contrast Check

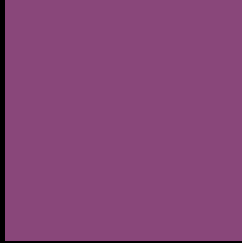
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.066, 334.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

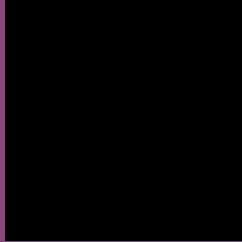
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 39.066, 334.711

Background



This preview shows how black text looks on a background with the CIELCh color 40, 39.066, 334.711.



This preview shows how white text looks on a background with the CIELCh color 40, 39.066, 334.711.

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, 39.066, 334.711

Protanopia

40, 28.150, 285.633

Deuteranopia

40, 15.239, 291.053



Tritanopia
40, 24.286, 14.818

Trichromacy



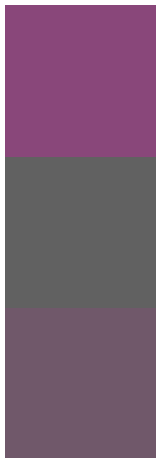
Original Color
40, 39.066, 334.711

Protanomaly
40, 30.009, 305.331

Deuteranomaly
40, 22.663, 316.148

Tritanomaly
40, 27.554, 355.557

Monochromacy



Original Color
40, 39.066, 334.711

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 14.738, 333.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 39.066, 334.711 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(137, 71, 122)` looks like.

```
.text, #text, p{  
    color:rgb(137, 71, 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(137, 71, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 71, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 39.066, 334.711 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(137, 71, 122) }
```

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

```
.border{ border-color:rgb(137, 71, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 71, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 71, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 71, 122);  
box-shadow:4px 4px 4px 4px rgb(137, 71,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 39.066, 334.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 71, 122) }
```

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

```
.background{ background-color: rgb(137, 71,  
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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