

Converting Colors

CIELCh(40, 49.494, 342.860)

Have a look what the booklet for
CIELCh(40, 49.494, 342.860)
contains.

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Color

CIELCh(40, 49.757, 342.939)

Conversions

Conversions Part 1

Format	Color
Hex	9B3977
RGB	155, 57, 119
RGB Percent	61%, 22%, 47%
CMY	0.3917, 0.7760, 0.5329
CMYK	0.00, 0.63, 0.23, 0.39
HSL	322°, 46%, 42%
HSV	322°, 63%, 61%
XYZ	18.3435, 11.2510, 18.6895
YIQ	93.3700, 38.5060, 40.0580

Conversions

Conversions Part 2

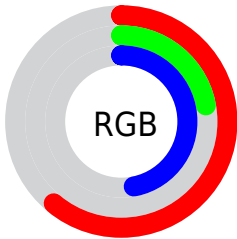
Format	Color
R_{YB}	155, 57, 119
Decimal	10172791
CIE Lab	40.00, 47.57, -14.60
CIE LCh	40, 49.757, 342.939
Yxy	11.2510, 0.3799, 0.2330
Android (android.graphics.Color)	4288362871 (0xFF9B3977)
YUV	93.3700, 12.6356, 54.0495
Hunter-Lab	33.5425, 38.9175, -9.5560

Details

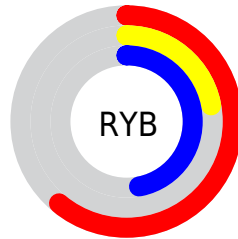
The CIELCh color $40, 49.757, 342.939$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $57, 49.311, 150.505$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 49.625, 343.109$, and $21, 46.965, 343.654$ is the 20% darker color. If you saturate the color by 10%, you get $37, 55.119, 344.356$, and if you desaturate by 10%, it is $43, 43.105, 341.733$.

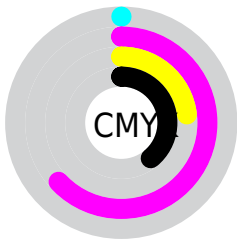
Distribution



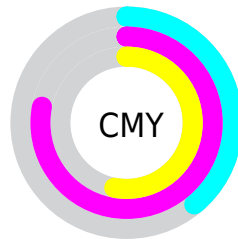
- Red (61%)
- Green (22%)
- Blue (47%)



- Red (61%)
- Yellow (22%)
- Blue (47%)



- Cyan (0%)
- Magenta (63%)
- Yellow (23%)
- Black (39%)





- Cyan (39%)
- Magenta (78%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.757, 342.939 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, 49.757, 342.939 by changing the saturation by 10% instead.


 40, 49.757,
342.939


 40, 49.757,
342.939


 100, 49.757,
342.939


 30, 49.757,
342.939

 60, 49.757,
342.939


 20, 49.757,
342.939

 70, 49.757,
342.939

 10, 49.757,
342.939

 80, 49.757,
342.939

 0, 49.757, 342.939

 90, 49.757,
342.939

 40, 49.757,

 40, 49.757,

342.939

37, 55.119,
344.356

36, 58.838,
346.062

34, 60.722,
348.160

34, 61.393,
349.753

342.939

43, 43.105,
341.733

46, 35.569,
340.678

50, 27.508,
339.734

54, 19.202,
338.873

58, 10.854,
338.074

63, 2.598, 337.257

67, 5.485, 156.746

71, 13.349,
156.079

■ 76, 20.974,
155.476

Harmonies

Complementary

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



40, 49.757, 342.939



57, 49.311, 150.505

Rectangle

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



40, 49.757, 342.939



40, 49.757, 32.939



40, 49.757, 162.939



40, 49.757, 212.939

Sweetspot

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



40, 49.755, 342.940



71, 19.441, 338.563



33, 61.267, 308.442



36, 13.504, 338.780



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 49.755, 342.940



48, 69.105, 345.048



38, 44.166, 18.364



30, 4.588, 337.766



30, 57.134, 349.495



1, 4.881, 337.621

Inverse Universe

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



40, 49.755, 342.940



48, 69.105, 345.048



58, 31.597, 182.878



30, 4.588, 337.766



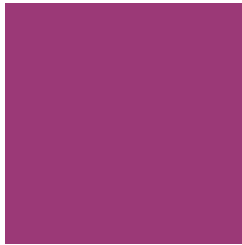
30, 57.134, 349.495



1, 4.881, 337.621

Previews

White Background



This preview shows how the CIELCh color 40, 49.757, 342.939 looks on a white background.

Color Contrast Check

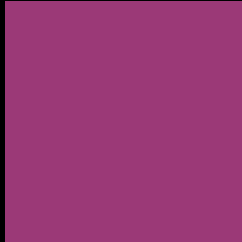
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.757, 342.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

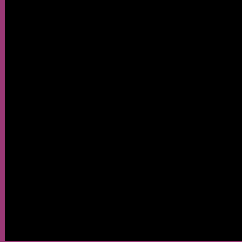
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 49.757, 342.939

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.757, 342.939.



This preview shows how white text looks on a background with the CIELCh color 40, 49.757, 342.939.

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, 49.757, 342.939

Protanopia

40, 32.425, 285.533

Deuteranopia

40, 12.843, 295.540



Tritanopia
40, 37.572, 22.288

Trichromacy



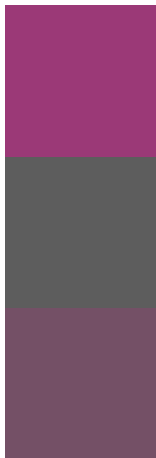
Original Color
40, 49.757, 342.939

Protanomaly
39, 35.499, 309.343

Deuteranomaly
39, 26.271, 326.824

Tritanomaly
40, 39.133, 4.941

Monochromacy



Original Color
40, 49.757, 342.939

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 20.002, 340.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.757, 342.939 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(155, 57, 119)` looks like.

```
.text, #text, p{  
    color:rgb(155, 57, 119)  
}
```

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(155, 57, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 57, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.757, 342.939 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(155, 57, 119) }
```

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

```
.border{ border-color:rgb(155, 57, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 57, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 57, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 57, 119);  
box-shadow:4px 4px 4px 4px rgb(155, 57,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.757, 342.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 57, 119) }
```

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

```
.background{ background-color: rgb(155, 57,  
119) }
```

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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