

Converting Colors

CIELCh(40, 63.508, 327.523)

Have a look what the booklet for
CIELCh(40, 63.508, 327.523)
contains.

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Color

CIELCh(40, 63.693, 327.584)

Conversions

Conversions Part 1

Format	Color
Hex	973497
RGB	151, 52, 151
RGB Percent	59%, 20%, 59%
CMY	0.4082, 0.7964, 0.4082
CMYK	0.00, 0.66, 0.00, 0.41
HSL	300°, 49%, 40%
HSV	300°, 66%, 59%
XYZ	19.5500, 11.2510, 30.3843
YIQ	92.8870, 27.2250, 51.7770

Conversions

Conversions Part 2

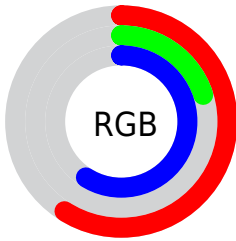
Format	Color
R_{YB}	151, 52, 151
Decimal	9909399
CIE _{Lab}	40.00, 53.77, -34.14
CIE _{LCh}	40, 63.693, 327.584
Yxy	11.2510, 0.3195, 0.1839
Android (android.graphics.Color)	4288099479 (0xFF973497)
YUV	92.8870, 28.6497, 50.9651
Hunter-Lab	33.5425, 45.3380, -30.2278

Details

The CIELCh color **40, 63.693, 327.584** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **55, 64.550, 138.768**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 63.956, 327.567**, and **22, 57.796, 327.481** is the 20% darker color. If you saturate the color by 10%, you get **38, 70.018, 327.872**, and if you desaturate by 10%, it is **42, 55.828, 327.218**.

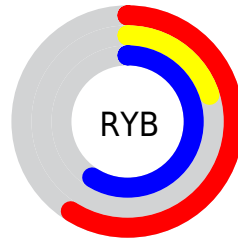
Distribution



Red (59%)

Green (20%)

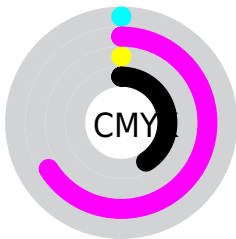
Blue (59%)



Red (59%)

Yellow (20%)

Blue (59%)

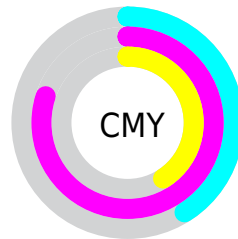


Cyan (0%)

Magenta (66%)

Yellow (0%)

Black (41%)



Cyan (41%)


Magenta (80%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.693, 327.584 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, 63.693, 327.584 by changing the saturation by 10% instead.


 40, 63.693,
327.584


 40, 63.693,
327.584


 100, 63.693,
327.584


 30, 63.693,
327.584

 60, 63.693,
327.584


 20, 63.693,
327.584

 70, 63.693,
327.584


 10, 63.693,
327.584

 80, 63.693,
327.584

 0, 63.693, 327.584

 90, 63.693,
327.584

 40, 63.693,

 40, 63.693,

327.584

327.584

■ 38, 70.018,
327.872

■ 42, 55.828,
327.218

■ 37, 74.531,
328.073

■ 45, 46.799,
326.788

■ 36, 77.198,
328.191

■ 49, 36.985,
326.308

■ 36, 78.139,
328.232

■ 52, 26.718,
325.795

■ 56, 16.261,
325.261

■ 60, 5.808, 324.704

■ 64, 4.511, 144.257

■ 68, 14.610,
143.708

■ 73, 24.440,
143.204

Harmonies

Complementary

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



40, 63.693, 327.584



55, 64.550, 138.768

Rectangle

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



40, 63.693, 327.584



40, 63.693, 17.584



40, 63.693, 147.584



40, 63.693, 197.584

Sweetspot

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



40, 63.691, 327.584



69, 25.867, 325.520



28, 61.921, 299.968



35, 17.791, 325.658



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 63.691, 327.584



49, 88.084, 327.983



38, 47.074, 350.332



30, 5.940, 324.912



33, 74.069, 328.232



1, 6.386, 324.438

Inverse Universe

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



36, 47.216, 28.618



44, 71.331, 33.462



56, 45.014, 155.385



30, 3.439, 19.895



28, 66.112, 39.049



1, 3.595, 19.403

Previews

White Background



This preview shows how the CIELCh color 40, 63.693, 327.584 looks on a white background.

Color Contrast Check

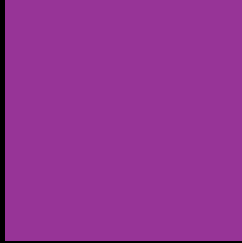
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.693, 327.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

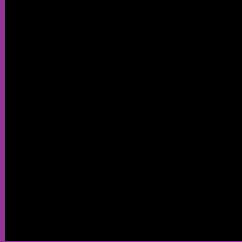
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 63.693, 327.584

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.693, 327.584.

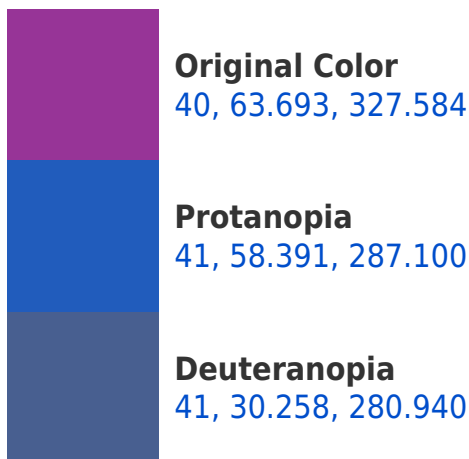


This preview shows how white text looks on a background with the CIELCh color 40, 63.693, 327.584.

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





Tritanopia
40, 31.323, 19.192

Trichromacy



Original Color
40, 63.693, 327.584

Protanomaly
38, 59.867, 298.364

Deuteranomaly
39, 42.328, 305.859

Tritanomaly
40, 38.871, 350.325

Monochromacy



Original Color
40, 63.693, 327.584

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 26.151, 326.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.693, 327.584 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(151, 52, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 52, 151)  
}
```

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(151, 52, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 52, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.693, 327.584 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(151, 52, 151) }
```

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

```
.border{ border-color:rgb(151, 52, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 52, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 52, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 52, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 52,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.693, 327.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 52, 151) }
```

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

```
.background{ background-color: rgb(151, 52,  
151) }
```

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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