

Converting Colors

CIELCh(40, 67.775, 319.561)

Have a look what the booklet for
CIELCh(40, 67.775, 319.561)
contains.

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Color

CIELCh(40, 67.945, 319.597)

Conversions

Conversions Part 1

Format	Color
Hex	8B39A7
RGB	139, 57, 167
RGB Percent	55%, 22%, 65%
CMY	0.4541, 0.7757, 0.3443
CMYK	0.17, 0.66, 0.00, 0.34
HSL	285°, 49%, 44%
HSV	285°, 66%, 66%
XYZ	19.1498, 11.2510, 37.8218
YIQ	94.0580, 13.5620, 51.5940

Conversions

Conversions Part 2

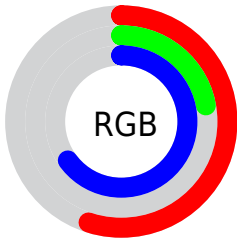
Format	Color
R_{YB}	139, 57, 167
Decimal	9124263
CIE _{Lab}	40.00, 51.74, -44.04
CIE _{LCh}	40, 67.945, 319.597
Yxy	11.2510, 0.2807, 0.1649
Android (android.graphics.Color)	4287314343 (0xFF8B39A7)
YUV	94.0580, 35.9604, 39.4141
Hunter-Lab	33.5425, 43.2083, -43.3744

Details

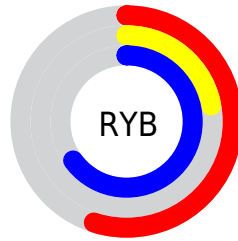
The CIELCh color $40, 67.945, 319.597$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $62, 65.858, 133.672$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 67.883, 319.468$, and $21, 65.462, 319.201$ is the 20% darker color. If you saturate the color by 10%, you get $37, 75.718, 319.655$, and if you desaturate by 10%, it is $44, 58.777, 319.381$.

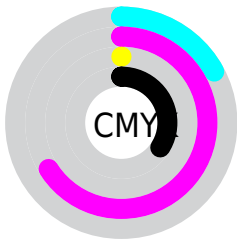
Distribution



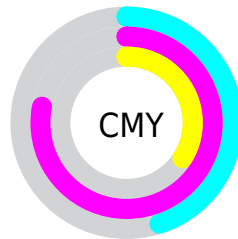
- Red (55%)
- Green (22%)
- Blue (65%)



- Red (55%)
- Yellow (22%)
- Blue (65%)



- Cyan (17%)
- Magenta (66%)
- Yellow (0%)
- Black (34%)





- Cyan (45%)
- Magenta (78%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 67.945, 319.597 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, 67.945, 319.597 by changing the saturation by 10% instead.


 40, 67.945,
319.597


 40, 67.945,
319.597


 100, 67.945,
319.597


 30, 67.945,
319.597

 60, 67.945,
319.597


 20, 67.945,
319.597

 70, 67.945,
319.597

 10, 67.945,
319.597

 80, 67.945,
319.597

 0, 67.945, 319.597

 90, 67.945,
319.597

 40, 67.945,

 40, 67.945,

319.597

37, 75.718,
319.655

34, 81.602,
319.502

33, 85.298,
319.097

32, 86.573,
318.903

319.597

44, 58.777,
319.381

48, 48.713,
319.058

52, 38.155,
318.670

56, 27.402,
318.247

61, 16.657,
317.812

66, 6.051, 317.368

71, 4.339, 137.026

75, 14.468,
136.613

■ 80, 24.317,
136.249

Harmonies

Complementary

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



40, 67.945, 319.597



62, 65.858, 133.672

Rectangle

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



40, 67.945, 319.597



40, 67.945, 9.597



40, 67.945, 139.597



40, 67.945, 189.597

Sweetspot

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



40, 67.944, 319.597



75, 26.158, 318.011



39, 49.425, 288.924



38, 18.023, 318.129



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



40, 67.944, 319.597



47, 95.494, 319.614



43, 59.227, 336.462



33, 5.967, 317.526



28, 79.079, 318.987



1, 10.593, 314.950

Inverse Universe

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



41, 48.037, 9.874



49, 68.794, 15.102



61, 60.271, 145.094



33, 3.935, 359.993



30, 59.414, 23.994



1, 6.924, 1.806

Previews

White Background



This preview shows how the CIELCh color 40, 67.945, 319.597 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, 67.945, 319.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

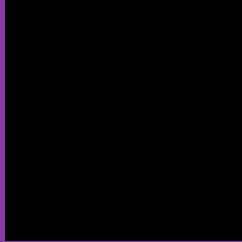
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 67.945, 319.597

Background



This preview shows how black text looks on a background with the CIELCh color 40, 67.945, 319.597.

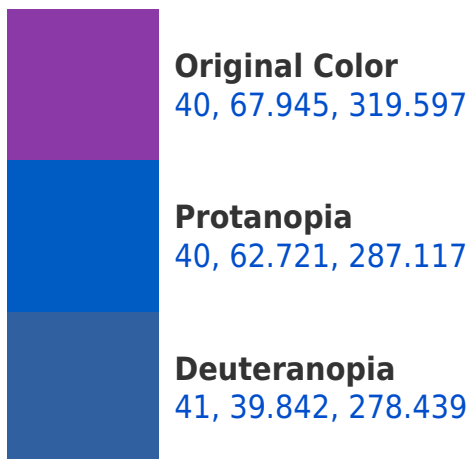


This preview shows how white text looks on a background with the CIELCh color 40, 67.945, 319.597.

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, 20.599, 12.575

Trichromacy



Original Color
40, 67.945, 319.597



Protanomaly
37, 64.188, 294.084



Deuteranomaly
39, 49.485, 297.233



Tritanomaly
40, 34.724, 335.557

Monochromacy



Original Color
40, 67.945, 319.597



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 26.916, 317.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 67.945, 319.597 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(139, 57, 167)` looks like.

```
.text, #text, p{  
    color:rgb(139, 57, 167)  
}
```

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(139, 57, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 57, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 67.945, 319.597 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(139, 57, 167) }
```

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

```
.border{ border-color:rgb(139, 57, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 57, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 57, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 57, 167);  
box-shadow:4px 4px 4px 4px rgb(139, 57,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 67.945, 319.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 57, 167) }
```

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

```
.background{ background-color: rgb(139, 57,  
167) }
```

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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