

Converting Colors

CIELCh(40, 77.924, 330.865)

Have a look what the booklet for
CIELCh(40, 77.924, 330.865)
contains.

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Color

CIELCh(40, 78.097, 330.702)

Conversions

Conversions Part 1

Format	Color
Hex	A8139E
RGB	168, 19, 158
RGB Percent	66%, 7%, 62%
CMY	0.3413, 0.9257, 0.3805
CMYK	0.00, 0.89, 0.06, 0.34
HSL	304°, 80%, 37%
HSV	304°, 89%, 66%
XYZ	22.5400, 11.2510, 33.3148
YIQ	79.3970, 44.1850, 74.8170

Conversions

Conversions Part 2

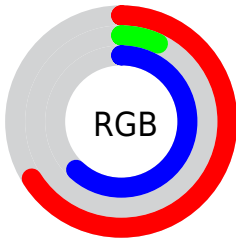
Format	Color
RYB	168, 19, 158
Decimal	11015070
CIELab	40.00, 68.11, -38.22
CIElCh	40, 78.097, 330.702
Yxy	11.2510, 0.3359, 0.1677
Android (android.graphics.Color)	4289205150 (0xFFA8139E)
YUV	79.3970, 38.7513, 77.7048
Hunter-Lab	33.5425, 61.2499, -35.4078

Details

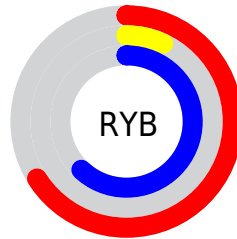
The CIELCh color **40, 78.097, 330.702** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 82.554, 137.521**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 78.263, 330.828**, and **25, 60.528, 330.020** is the 20% darker color. If you saturate the color by 10%, you get **39, 80.017, 331.033**, and if you desaturate by 10%, it is **41, 74.331, 330.339**.

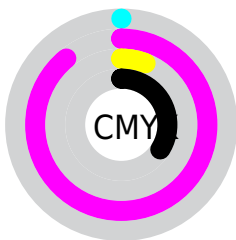
Distribution



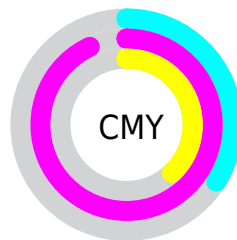
- Red (66%)
- Green (7%)
- Blue (62%)



- Red (66%)
- Yellow (7%)
- Blue (62%)



- Cyan (0%)
- Magenta (89%)
- Yellow (6%)
- Black (34%)





- Cyan (34%)
- Magenta (93%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 78.097, 330.702 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, 78.097, 330.702 by changing the saturation by 10% instead.


 40, 78.097,
330.702


 40, 78.097,
330.702


 100, 78.097,
330.702


 30, 78.097,
330.702

 60, 78.097,
330.702


 20, 78.097,
330.702

 70, 78.097,
330.702

 10, 78.097,
330.702

 80, 78.097,
330.702

 0, 78.097, 330.702

 90, 78.097,
330.702

 40, 78.097,

 40, 78.097,

330.702

330.702

■ 39, 80.017,
331.033

■ 41, 74.331,
330.339

■ 39, 80.230,
331.074

■ 43, 68.507,
329.931

■ 46, 60.880,
329.475

■ 49, 51.848,
328.978

■ 53, 41.841,
328.448

■ 56, 31.246,
327.896

■ 61, 20.374,
327.331

■ 65, 9.453, 326.757

Harmonies

Complementary

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



40, 78.097, 330.702



60, 82.554, 137.521

Rectangle

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



40, 78.097, 330.702



40, 78.097, 20.702



40, 78.097, 150.702



40, 78.097, 200.702

Sweetspot

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



40, 78.095, 330.702



73, 36.497, 327.827



22, 91.181, 305.513



37, 24.529, 328.009



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, 78.095, 330.702



51, 97.782, 331.130



37, 59.502, 3.236



33, 6.142, 326.789



34, 73.113, 331.042



2, 10.951, 327.052

Inverse Universe

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



40, 78.095, 330.702



51, 97.782, 331.130



61, 56.303, 155.370



33, 6.142, 326.789



34, 73.113, 331.042



2, 10.951, 327.052

Previews

White Background



This preview shows how the CIELCh color 40, 78.097, 330.702 looks on a white background.

Color Contrast Check

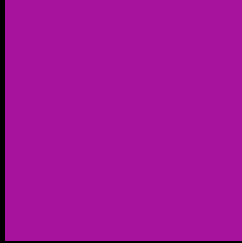
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.097, 330.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

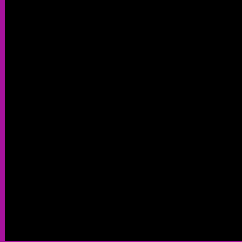
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 78.097, 330.702

Background



This preview shows how black text looks on a background with the CIELCh color 40, 78.097, 330.702.

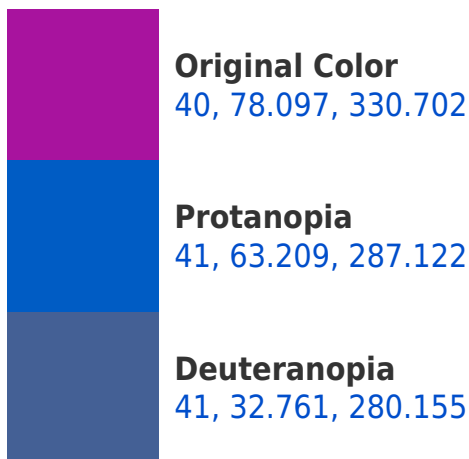


This preview shows how white text looks on a background with the CIELCh color 40, 78.097, 330.702.

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, 43.674, 24.168

Trichromacy



Original Color
40, 78.097, 330.702



Protanomaly
34, 72.014, 299.844



Deuteranomaly
37, 52.662, 309.674



Tritanomaly
39, 51.316, 354.995

Monochromacy



Original Color
40, 78.097, 330.702



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 37.301, 328.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 78.097, 330.702 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(168, 19, 158)` looks like.

```
.text, #text, p{  
    color:rgb(168, 19, 158)  
}
```

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(168, 19, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 19, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 78.097, 330.702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

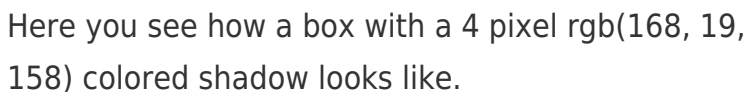
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 19, 158) }
```

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

```
.border{ border-color:rgb(168, 19, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 19, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 19, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 19, 158);  
box-shadow:4px 4px 4px 4px rgb(168, 19,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 78.097, 330.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 19, 158) }
```

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

```
.background{ background-color: rgb(168, 19,  
158) }
```

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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