

Converting Colors

CIELCh(40, 103.828, 317.325)

Have a look what the booklet for
CIELCh(40, 103.828, 317.325)
contains.

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Color

CIELCh(40, 103.812, 317.318)

Conversions

Conversions Part 1

Format	Color
Hex	9504D4
RGB	149, 4, 212
RGB Percent	58%, 2%, 83%
CMY	0.4148, 0.9859, 0.1678
CMYK	0.30, 0.98, 0.00, 0.17
HSL	282°, 97%, 42%
HSV	282°, 98%, 83%
XYZ	24.3813, 11.2510, 63.3088
YIQ	71.0670, 19.6520, 95.4280

Conversions

Conversions Part 2

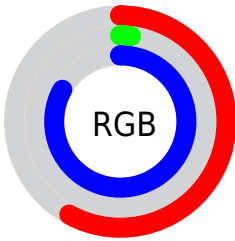
Format	Color
R_{YB}	149, 4, 212
Decimal	9766100
CIE _{Lab}	40.00, 76.32, -70.38
CIE _{LCh}	40, 103.812, 317.318
Yxy	11.2510, 0.2464, 0.1137
Android (android.graphics.Color)	4287956180 (0xFF9504D4)
YUV	71.0670, 69.4800, 68.3472
Hunter-Lab	33.5425, 71.0485, -88.4256

Details

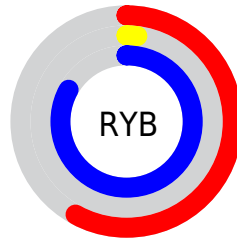
The CIELCh color **40, 103.812, 317.318** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **75, 99.981, 133.125**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 96.717, 319.186**, and **25, 84.931, 313.932** is the 20% darker color. If you saturate the color by 10%, you get **40, 104.341, 317.215**, and if you desaturate by 10%, it is **42, 100.085, 317.886**.

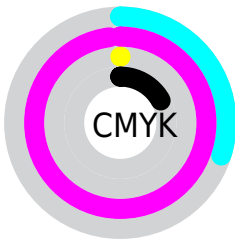
Distribution



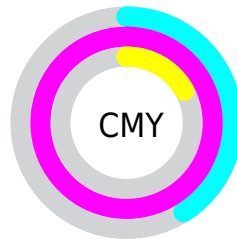
- Red (58%)
- Green (2%)
- Blue (83%)



- Red (58%)
- Yellow (2%)
- Blue (83%)



- Cyan (30%)
- Magenta (98%)
- Yellow (0%)
- Black (17%)





- Cyan (41%)
- Magenta (99%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 103.812, 317.318 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, 103.812, 317.318 by changing the saturation by 10% instead.


 40, 103.812,
317.318


 40, 103.812,
317.318


 100, 103.812,
317.318


 30, 103.812,
317.318


 60, 103.812,
317.318


 20, 103.812,
317.318

 70, 103.812,
317.318


 10, 103.812,
317.318

 80, 103.812,
317.318

 0, 103.812,
317.318


 90, 103.812,
317.318


 40, 103.812,


 40, 103.812,


317.318


317.318


 40, 104.341,
317.215


 42, 100.085,
317.886


 45, 93.649,
318.163


 48, 84.705,
318.180

 53, 73.887,
318.003

 58, 61.857,
317.696

 63, 49.161,
317.309

 69, 36.198,
316.882

 74, 23.235,
316.441

■ 80, 10.441,
316.000

Harmonies

Complementary

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



40, 103.812, 317.318



75, 99.981, 133.125

Rectangle

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



40, 103.812, 317.318



40, 103.812, 7.318



40, 103.812, 137.318



40, 103.812, 187.318

Sweetspot

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



40, 103.811, 317.318



80, 43.065, 316.925



36, 86.656, 297.294



40, 29.607, 317.112



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 103.811, 317.318



48, 119.925, 317.115



48, 87.004, 337.093



42, 7.194, 316.050



32, 88.706, 317.357



4, 30.630, 316.652

Inverse Universe

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



45, 75.823, 20.619



54, 88.203, 22.178



74, 98.482, 138.292



42, 4.913, 356.661



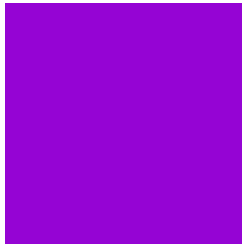
36, 64.773, 20.574



5, 22.284, 6.134

Previews

White Background



This preview shows how the CIELCh color 40, 103.812, 317.318 looks on a white background.

Color Contrast Check

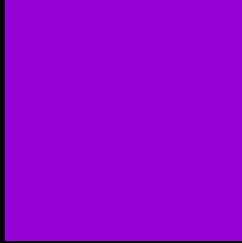
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.812, 317.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

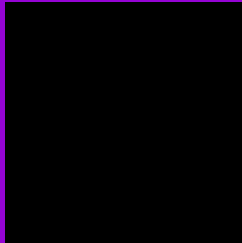
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 103.812, 317.318

Background



This preview shows how black text looks on a background with the CIELCh color 40, 103.812, 317.318.



This preview shows how white text looks on a background with the CIELCh color 40, 103.812, 317.318.

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, 103.692, 317.301

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 44.849, 274.679



Tritanopia
40, 20.116, 12.235

Trichromacy



Original Color
40, 103.692, 317.301



Protanomaly
34, 85.805, 301.251



Deuteranomaly
34, 74.516, 299.400



Tritanomaly
37, 54.037, 328.122

Monochromacy



Original Color
40, 103.692, 317.301



Achromatopsia
30, 0.005, 296.813



Achromatomaly
29, 50.138, 318.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 103.812, 317.318 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(149, 4, 212)` looks like.

```
.text, #text, p{  
    color:rgb(149, 4, 212)  
}
```

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(149, 4, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 4, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 103.812, 317.318 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(149, 4, 212) }
```

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

```
.border{ border-color:rgb(149, 4, 212) }
```

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

Here you see how a box with a 4 pixel rgb(149, 4, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 4, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 4, 212);  
box-shadow:4px 4px 4px 4px rgb(149, 4,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 103.812, 317.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 4, 212) }
```

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

```
.background{ background-color: rgb(149, 4,  
212) }
```

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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