

Converting Colors

CIELCh(40, 92.607, 319.855)

Have a look what the booklet for
CIELCh(40, 92.607, 319.855)
contains.

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Color

CIELCh(40, 92.608, 319.868)

Conversions

Conversions Part 1

Format	Color
Hex	9917C2
RGB	153, 23, 194
RGB Percent	60%, 9%, 76%
CMY	0.4005, 0.9107, 0.2397
CMYK	0.21, 0.88, 0.00, 0.24
HSL	286°, 79%, 42%
HSV	286°, 88%, 76%
XYZ	23.1345, 11.2510, 51.9118
YIQ	81.3640, 22.5890, 80.7410

Conversions

Conversions Part 2

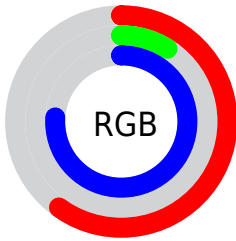
Format	Color
R_{YB}	153, 23, 194
Decimal	10033090
CIE _{Lab}	40.00, 70.80, -59.69
CIE _{LCh}	40, 92.608, 319.868
Yxy	11.2510, 0.2681, 0.1304
Android (android.graphics.Color)	4288223170 (0xFF9917C2)
YUV	81.3640, 55.5295, 62.8248
Hunter-Lab	33.5425, 64.4133, -68.2800

Details

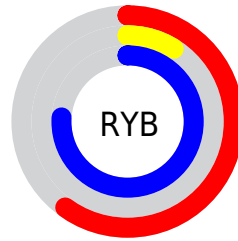
The CIELCh color **40, 92.608, 319.868** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **69, 90.736, 133.677**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 92.201, 319.979**, and **25, 76.284, 317.291** is the 20% darker color. If you saturate the color by 10%, you get **38, 95.926, 319.399**, and if you desaturate by 10%, it is **42, 86.880, 320.096**.

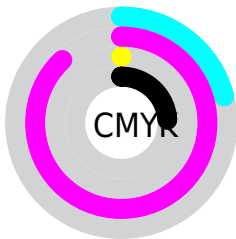
Distribution



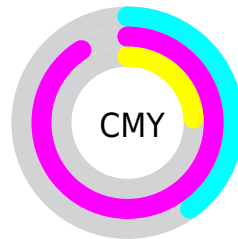
- Red (60%)
- Green (9%)
- Blue (76%)



- Red (60%)
- Yellow (9%)
- Blue (76%)



- Cyan (21%)
- Magenta (88%)
- Yellow (0%)
- Black (24%)




- Cyan (40%)
- Magenta (91%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 92.608, 319.868 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, 92.608, 319.868 by changing the saturation by 10% instead.


 40, 92.608,
319.868

 40, 92.608,
319.868

 100, 92.608,
319.868


 30, 92.608,
319.868

 60, 92.608,
319.868


 20, 92.608,
319.868

 70, 92.608,
319.868

 10, 92.608,
319.868

 80, 92.608,
319.868

 0, 92.608, 319.868

 90, 92.608,
319.868

 40, 92.608,

 40, 92.608,

319.868

■ 38, 95.926,
319.399

■ 38, 96.424,
319.312

319.868

■ 42, 86.880,
320.096

■ 46, 78.832,
320.097

■ 49, 68.986,
319.923

■ 54, 57.921,
319.626

■ 58, 46.141,
319.250

■ 63, 34.030,
318.829

■ 69, 21.857,
318.390

■ 74, 9.799, 317.944

Harmonies

Complementary

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



40, 92.608, 319.868



69, 90.736, 133.677

Rectangle

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



40, 92.608, 319.868



40, 92.608, 9.868



40, 92.608, 139.868



40, 92.608, 189.868

Sweetspot

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



40, 92.607, 319.868



82, 38.768, 318.749



34, 79.065, 297.193



42, 26.532, 318.902



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, 92.607, 319.868



50, 117.684, 319.183



45, 76.418, 339.768



38, 6.734, 317.994



31, 83.843, 319.423



3, 21.654, 315.731

Inverse Universe

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



42, 68.314, 20.366



53, 90.760, 27.517



69, 83.251, 141.718



38, 4.395, 1.095



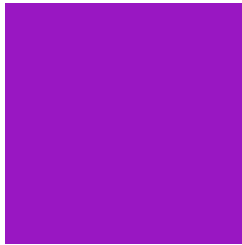
33, 63.848, 25.671



3, 14.403, 6.554

Previews

White Background



This preview shows how the CIELCh color 40, 92.608, 319.868 looks on a white background.

Color Contrast Check

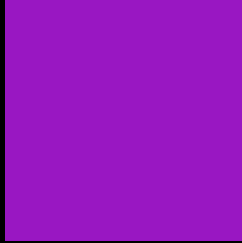
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.608, 319.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

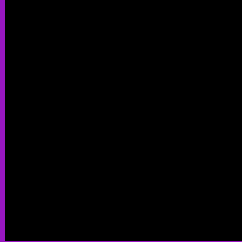
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 92.608, 319.868

Background



This preview shows how black text looks on a background with the CIELCh color 40, 92.608, 319.868.



This preview shows how white text looks on a background with the CIELCh color 40, 92.608, 319.868.

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, 92.608, 319.868

Protanopia

40, 62.091, 286.658

Deuteranopia

40, 45.920, 275.888



Tritanopia
40, 26.564, 15.980

Trichromacy



Original Color
40, 92.608, 319.868



Protanomaly
35, 77.563, 299.417



Deuteranomaly
35, 67.156, 297.401



Tritanomaly
38, 48.675, 335.431

Monochromacy



Original Color
40, 92.608, 319.868



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 41.748, 319.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 92.608, 319.868 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(153, 23, 194)` looks like.

```
.text, #text, p{  
    color:rgb(153, 23, 194)  
}
```

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(153, 23, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 23, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 92.608, 319.868 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(153, 23, 194) }
```

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

```
.border{ border-color:rgb(153, 23, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 23, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 23, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 23, 194);  
box-shadow:4px 4px 4px 4px rgb(153, 23,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 92.608, 319.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 23, 194) }
```

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

```
.background{ background-color: rgb(153, 23,  
194) }
```

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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