

Converting Colors

CIELCh(40, 89.166, 324.979)

Have a look what the booklet for
CIELCh(40, 89.166, 324.979)
contains.

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Color

CIELCh(40, 89.320, 324.986)

Conversions

Conversions Part 1

Format	Color
Hex	A500B4
RGB	165, 0, 180
RGB Percent	65%, 0%, 71%
CMY	0.3542, 0.9996, 0.2953
CMYK	0.08, 1.00, 0.00, 0.30
HSL	295°, 100%, 35%
HSV	295°, 100%, 70%
XYZ	23.6608, 11.2510, 43.9447
YIQ	69.8550, 40.5600, 90.9600

Conversions

Conversions Part 2

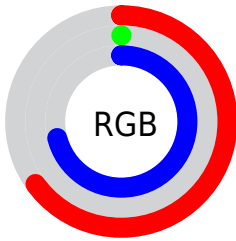
Format	Color
RYB	165, 0, 180
Decimal	10813620
CIELab	40.00, 73.15, -51.25
CIElCh	40, 89.320, 324.986
Yxy	11.2510, 0.3000, 0.1427
Android (android.graphics.Color)	4289003700 (0xFFA500B4)
YUV	69.8550, 54.3015, 83.4422
Hunter-Lab	33.5425, 67.2141, -54.1973

Details

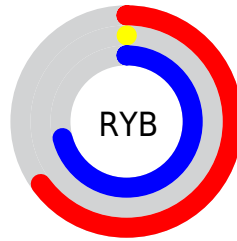
The CIELCh color **40, 89.320, 324.986** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **64, 91.617, 135.642**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 89.412, 324.925**, and **26, 69.285, 322.926** is the 20% darker color. If you saturate the color by 10%, you get **40, 89.332, 324.985**, and if you desaturate by 10%, it is **41, 86.902, 325.137**.

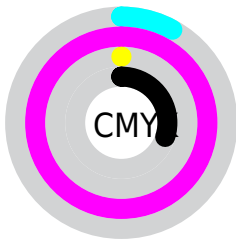
Distribution



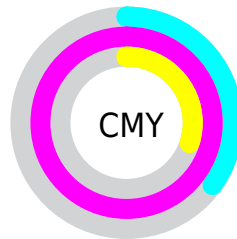
- Red (65%)
- Green (0%)
- Blue (71%)



- Red (65%)
- Yellow (0%)
- Blue (71%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)




- Cyan (35%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 89.320, 324.986 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, 89.320, 324.986 by changing the saturation by 10% instead.


 40, 89.320,
324.986


 40, 89.320,
324.986


 100, 89.320,
324.986


 30, 89.320,
324.986

 60, 89.320,
324.986


 20, 89.320,
324.986

 70, 89.320,
324.986


 10, 89.320,
324.986

 80, 89.320,
324.986

 0, 89.320, 324.986

 90, 89.320,
324.986

 40, 89.320,

 40, 89.320,

324.986

324.986

■ 40, 89.332,
324.985

■ 41, 86.902,
325.137

■ 43, 82.589,
325.167

■ 45, 76.051,
325.055

■ 48, 67.589,
324.819

■ 51, 57.655,
324.485

■ 55, 46.722,
324.078

■ 59, 35.203,
323.623

■ 64, 23.422,
323.140

■ 68, 11.614,
322.640

Harmonies

Complementary

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



40, 89.320, 324.986



64, 91.617, 135.642

Rectangle

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



40, 89.320, 324.986



40, 89.320, 14.986



40, 89.320, 144.986



40, 89.320, 194.986

Sweetspot

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



40, 89.318, 324.986



76, 43.806, 323.650



23, 97.942, 304.916



38, 29.819, 323.843



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



40, 89.318, 324.986



52, 109.081, 324.930



39, 67.221, 352.811



35, 6.579, 322.608



34, 79.331, 325.025



2, 15.635, 321.014

Inverse Universe

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



37, 76.876, 36.541



49, 94.707, 37.260



64, 75.238, 144.714



35, 3.928, 13.157



31, 67.855, 36.006



2, 9.208, 14.048

Previews

White Background



This preview shows how the CIELCh color 40, 89.320, 324.986 looks on a white background.

Color Contrast Check

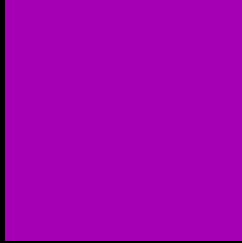
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.320, 324.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

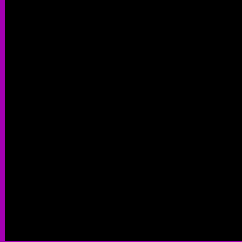
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 89.320, 324.986

Background



This preview shows how black text looks on a background with the CIELCh color 40, 89.320, 324.986.



This preview shows how white text looks on a background with the CIELCh color 40, 89.320, 324.986.

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, 89.441, 324.995

Protanopia

41, 63.139, 286.898

Deuteranopia

41, 44.132, 278.022



Tritanopia
41, 37.372, 21.321

Trichromacy



Original Color
40, 89.441, 324.995

Protanomaly
34, 80.817, 301.650

Deuteranomaly
35, 68.343, 304.175

Tritanomaly
38, 53.984, 345.616

Monochromacy



Original Color
40, 89.441, 324.995

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 44.963, 324.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 89.320, 324.986 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(165, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 180)  
}
```

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(165, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 89.320, 324.986 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(165, 0, 180) }
```

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

```
.border{ border-color:rgb(165, 0, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(165, 0,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 89.320, 324.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 180) }
```

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

```
.background{ background-color: rgb(165, 0,  
180) }
```

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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