

Converting Colors

CIELCh(40, 87.713, 326.320)

Have a look what the booklet for
CIELCh(40, 87.713, 326.320)
contains.

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Color

CIELCh(40, 87.343, 326.445)

Conversions

Conversions Part 1

Format	Color
Hex	A700AF
RGB	167, 0, 175
RGB Percent	65%, 0%, 69%
CMY	0.3462, 1.0000, 0.3148
CMYK	0.05, 1.00, 0.00, 0.31
HSL	297°, 100%, 34%
HSV	297°, 100%, 69%
XYZ	23.5782, 11.2510, 41.3467
YIQ	69.8830, 43.3570, 89.8290

Conversions

Conversions Part 2

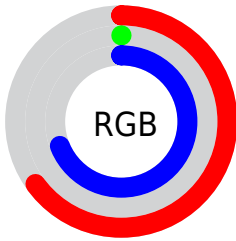
Format	Color
R_{YB}	167, 0, 175
Decimal	10944687
CIE _{Lab}	40.00, 72.79, -48.28
CIE _{LCh}	40, 87.343, 326.445
Yxy	11.2510, 0.3095, 0.1477
Android (android.graphics.Color)	4289134767 (0xFFA700AF)
YUV	69.8830, 51.8227, 85.1716
Hunter-Lab	33.5425, 66.7746, -49.6051

Details

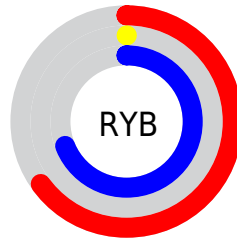
The CIELCh color **40, 87.343, 326.445** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **62, 89.959, 135.813**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 87.070, 326.510**, and **26, 67.391, 324.548** is the 20% darker color. If you saturate the color by 10%, you get **40, 87.244, 326.439**, and if you desaturate by 10%, it is **41, 84.948, 326.486**.

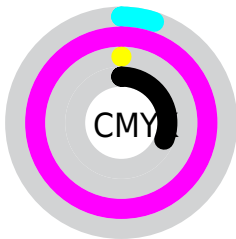
Distribution



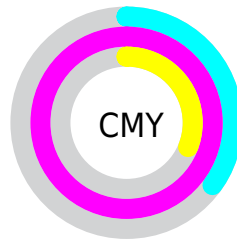
- Red (65%)
- Green (0%)
- Blue (69%)



- Red (65%)
- Yellow (0%)
- Blue (69%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 87.343, 326.445 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, 87.343, 326.445 by changing the saturation by 10% instead.

 40, 87.343,
326.445


 40, 87.343,
326.445

 100, 87.343,
326.445


 30, 87.343,
326.445

 60, 87.343,
326.445


 20, 87.343,
326.445

 70, 87.343,
326.445

 10, 87.343,
326.445

 80, 87.343,
326.445

 0, 87.343, 326.445

 90, 87.343,
326.445

 40, 87.343,

 40, 87.343,

326.445

326.445

■ 40, 87.244,
326.439

■ 41, 84.948,
326.486

■ 42, 80.857,
326.435

■ 44, 74.604,
326.266

■ 47, 66.446,
325.992

■ 50, 56.801,
325.629

■ 54, 46.120,
325.200

■ 58, 34.814,
324.726

■ 62, 23.212,
324.223

■ 67, 11.554,
323.703

Harmonies

Complementary

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



40, 87.343, 326.445



62, 89.959, 135.813

Rectangle

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



40, 87.343, 326.445



40, 87.343, 16.445



40, 87.343, 146.445



40, 87.343, 196.445

Sweetspot

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



40, 87.244, 326.439



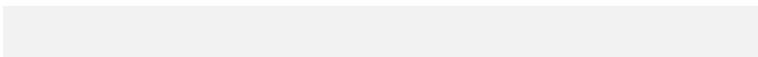
74, 43.056, 324.751



21, 98.463, 305.645



37, 29.555, 324.951



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 87.244, 326.439



52, 106.076, 326.408



38, 64.622, 357.171



34, 6.497, 323.665



34, 78.141, 326.460



2, 13.564, 322.631

Inverse Universe

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



36, 76.745, 38.060



47, 93.934, 38.576



63, 70.336, 146.870



34, 3.820, 16.194



31, 68.325, 37.590



2, 7.819, 16.293

Previews

White Background



This preview shows how the CIELCh color 40, 87.343, 326.445 looks on a white background.

Color Contrast Check

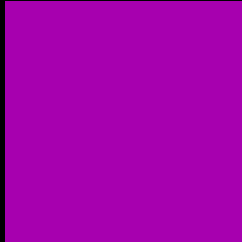
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.343, 326.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

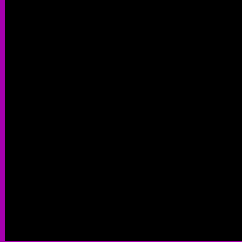
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 87.343, 326.445

Background



This preview shows how black text looks on a background with the CIELCh color 40, 87.343, 326.445.

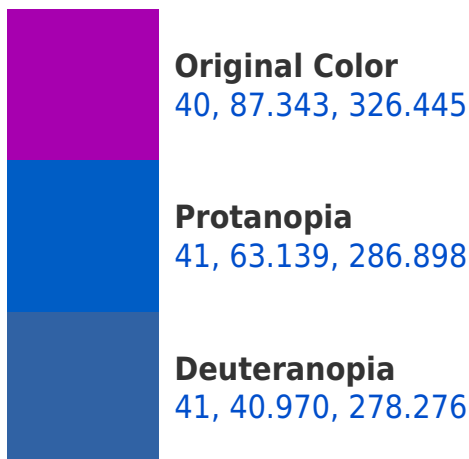


This preview shows how white text looks on a background with the CIELCh color 40, 87.343, 326.445.

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
41, 39.346, 22.756

Trichromacy



Original Color
40, 87.343, 326.445

Protanomaly
34, 79.693, 301.688

Deuteranomaly
35, 65.408, 306.053

Tritanomaly
38, 54.041, 347.896

Monochromacy



Original Color
40, 87.343, 326.445

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 44.094, 325.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 87.343, 326.445 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(167, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 175)  
}
```

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(167, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 87.343, 326.445 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(167, 0, 175) }
```

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

```
.border{ border-color:rgb(167, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 87.343, 326.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 175) }
```

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

```
.background{ background-color: rgb(167, 0,  
175) }
```

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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