

Converting Colors

CIELCh(40, 84.472, 328.241)

Have a look what the booklet for
CIELCh(40, 84.472, 328.241)
contains.

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Color

CIELCh(40, 84.305, 328.223)

Conversions

Conversions Part 1

Format	Color
Hex	A803A8
RGB	168, 3, 168
RGB Percent	66%, 1%, 66%
CMY	0.3401, 0.9891, 0.3402
CMYK	0.00, 0.98, 0.00, 0.34
HSL	300°, 97%, 34%
HSV	300°, 98%, 66%
XYZ	23.3270, 11.2510, 38.1107
YIQ	71.1450, 45.3750, 86.2950

Conversions

Conversions Part 2

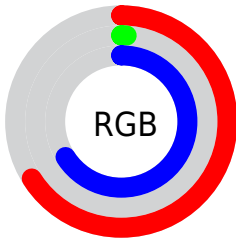
Format	Color
RYB	168, 3, 168
Decimal	11010984
CIELab	40.00, 71.67, -44.40
CIElCh	40, 84.305, 328.223
Yxy	11.2510, 0.3209, 0.1548
Android (android.graphics.Color)	4289201064 (0xFFA803A8)
YUV	71.1450, 47.7495, 84.9418
Hunter-Lab	33.5425, 65.4378, -43.8851

Details

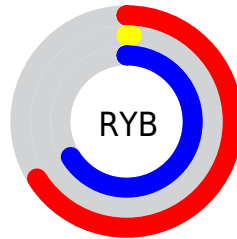
The CIELCh color $40, 84.305, 328.223$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $60, 87.316, 136.091$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 84.346, 328.213$, and $26, 64.303, 326.920$ is the 20% darker color. If you saturate the color by 10%, you get $40, 84.641, 328.237$, and if you desaturate by 10%, it is $41, 81.964, 328.128$.

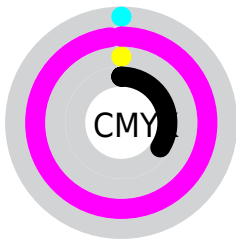
Distribution



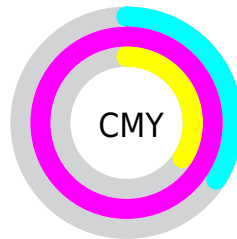
- Red (66%)
- Green (1%)
- Blue (66%)



- Red (66%)
- Yellow (1%)
- Blue (66%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (34%)



- Cyan (34%)
- Magenta (99%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 84.305, 328.223 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, 84.305, 328.223 by changing the saturation by 10% instead.

 40, 84.305,
328.223


 40, 84.305,
328.223


 100, 84.305,
328.223


 30, 84.305,
328.223

 60, 84.305,
328.223


 20, 84.305,
328.223

 70, 84.305,
328.223


 10, 84.305,
328.223

 80, 84.305,
328.223

 0, 84.305, 328.223

 90, 84.305,
328.223


 40, 84.305,


 40, 84.305,

328.223


328.223


 40, 84.641,
328.237


 41, 81.964,
328.128


 42, 77.756,
327.955


 44, 71.490,
327.694

 46, 63.409,
327.349

 49, 53.906,
326.934

 53, 43.407,
326.464

 57, 32.304,
325.955

 61, 20.913,
325.422

Harmonies

Complementary

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



40, 84.305, 328.223



60, 87.316, 136.091

Rectangle

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



40, 84.305, 328.223



40, 84.305, 18.223



40, 84.305, 148.223



40, 84.305, 198.223

Sweetspot

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



40, 84.303, 328.223



72, 42.379, 326.070



20, 97.133, 306.119



36, 28.799, 326.276



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, 84.303, 328.223



52, 103.117, 328.237



36, 61.867, 1.057



33, 6.429, 324.923



35, 76.987, 328.237



2, 11.672, 324.443

Inverse Universe

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



40, 84.303, 328.223



52, 103.117, 328.237



61, 64.334, 149.659



33, 6.429, 324.923



35, 76.987, 328.237



2, 11.672, 324.443

Previews

White Background



This preview shows how the CIELCh color 40, 84.305, 328.223 looks on a white background.

Color Contrast Check

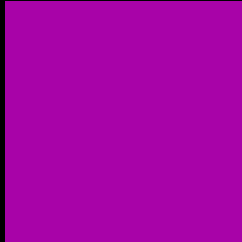
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.305, 328.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

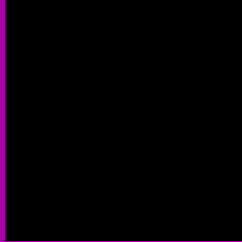
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 84.305, 328.223

Background



This preview shows how black text looks on a background with the CIELCh color 40, 84.305, 328.223.



This preview shows how white text looks on a background with the CIELCh color 40, 84.305, 328.223.

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, 84.184, 328.218

Protanopia

41, 63.139, 286.898

Deuteranopia

41, 37.768, 279.299



Tritanopia
41, 42.209, 23.670

Trichromacy



Original Color
40, 84.184, 328.218

Protanomaly
34, 77.975, 301.375

Deuteranomaly
36, 61.383, 307.955

Tritanomaly
39, 54.204, 351.126

Monochromacy



Original Color
40, 84.184, 328.218

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 42.651, 327.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 84.305, 328.223 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, 3, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 3, 168)  
}
```

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, 3, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 3, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 84.305, 328.223 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, 3, 168) }
```

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

```
.border{ border-color:rgb(168, 3, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 3, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 3, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 3, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 3,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 84.305, 328.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 3, 168) }
```

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

```
.background{ background-color: rgb(168, 3,  
168) }
```

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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