

Converting Colors

CIELCh(40, 69.581, 349.649)

Have a look what the booklet for
CIELCh(40, 69.581, 349.649)
contains.

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Color

CIELCh(40, 69.246, 350.023)

Conversions

Conversions Part 1

Format	Color
Hex	B70074
RGB	183, 0, 116
RGB Percent	72%, 0%, 45%
CMY	0.2838, 1.0000, 0.5464
CMYK	0.00, 1.00, 0.37, 0.28
HSL	322°, 100%, 36%
HSV	322°, 100%, 72%
XYZ	22.5600, 11.2510, 17.4078
YIQ	67.9410, 71.8320, 74.8720

Conversions

Conversions Part 2

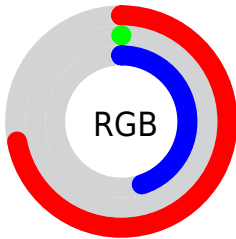
Format	Color
R_{YB}	183, 0, 116
Decimal	11993204
CIE _{Lab}	40.00, 68.20, -12.00
CIE _{LCh}	40, 69.246, 350.023
Yxy	11.2510, 0.4405, 0.2197
Android (android.graphics.Color)	4290183284 (0xFFB70074)
YUV	67.9410, 23.6931, 100.9067
Hunter-Lab	33.5425, 61.3563, -7.2905

Details

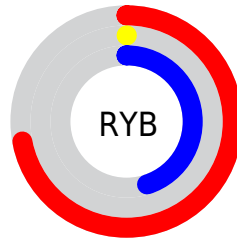
The CIELCh color **40, 69.246, 350.023** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **65, 78.414, 143.395**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 69.039, 349.941**, and **26, 50.503, 356.114** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.126, 350.054**, and if you desaturate by 10%, it is **41, 68.269, 347.629**.

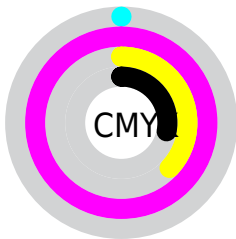
Distribution



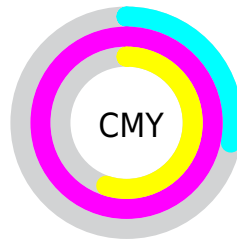
- Red (72%)
- Green (0%)
- Blue (45%)



- Red (72%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 69.246, 350.023 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, 69.246, 350.023 by changing the saturation by 10% instead.


 40, 69.246,
350.023


 40, 69.246,
350.023


 100, 69.246,
350.023


 30, 69.246,
350.023

 60, 69.246,
350.023


 20, 69.246,
350.023

 70, 69.246,
350.023


 10, 69.246,
350.023

 80, 69.246,
350.023

 0, 69.246, 350.023

 90, 69.246,
350.023

 40, 69.246,

 40, 69.246,

350.023

350.023

■ 40, 69.126,
350.054

■ 41, 68.269,
347.629

■ 43, 65.672,
345.604

■ 45, 60.975,
343.955

■ 48, 54.458,
342.581

■ 52, 46.565,
341.405

■ 56, 37.760,
340.371

■ 60, 28.442,
339.442

■ 65, 18.915,
338.592

Harmonies

Complementary

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



40, 69.246, 350.023



65, 78.414, 143.395

Rectangle

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



40, 69.246, 350.023



40, 69.246, 40.023



40, 69.246, 170.023



40, 69.246, 220.023

Sweetspot

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



40, 69.126, 350.054



76, 35.169, 339.487



25, 100.143, 309.044



38, 24.165, 339.868



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 69.126, 350.054



52, 83.814, 350.558



38, 74.725, 32.902



36, 5.340, 337.744



34, 61.547, 349.686



3, 13.334, 343.089

Inverse Universe

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



40, 69.126, 350.054



52, 83.814, 350.558



67, 45.436, 176.239



36, 5.340, 337.744



34, 61.547, 349.686



3, 13.334, 343.089

Previews

White Background



This preview shows how the CIELCh color 40, 69.246, 350.023 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, 69.246, 350.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

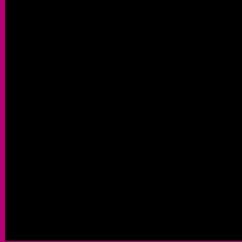
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 69.246, 350.023

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.246, 350.023.



This preview shows how white text looks on a background with the CIELCh color 40, 69.246, 350.023.

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, 69.246, 350.023

Protanopia
41, 43.189, 285.851

Deuteranopia
41, 9.003, 309.614



Tritanopia
41, 61.469, 31.105

Trichromacy



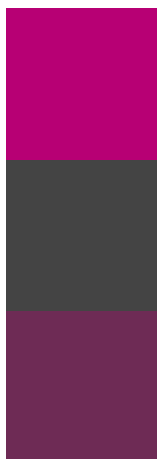
Original Color
40, 69.246, 350.023

Protanomaly
35, 55.701, 313.345

Deuteranomaly
36, 40.387, 337.545

Tritanomaly
40, 61.481, 14.262

Monochromacy



Original Color
40, 69.246, 350.023

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 36.581, 342.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.246, 350.023 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(183, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 116)  
}
```

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(183, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.246, 350.023 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(183, 0, 116) }
```

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

```
.border{ border-color:rgb(183, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.246, 350.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 116) }
```

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

```
.background{ background-color: rgb(183, 0,  
116) }
```

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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