

Converting Colors

CIELCh(40, 73.092, 340.152)

Have a look what the booklet for
CIELCh(40, 73.092, 340.152)
contains.

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Color

CIELCh(40, 72.973, 340.165)

Conversions

Conversions Part 1

Format	Color
Hex	B10588
RGB	177, 5, 136
RGB Percent	69%, 2%, 53%
CMY	0.3055, 0.9793, 0.4664
CMYK	0.00, 0.97, 0.23, 0.31
HSL	314°, 94%, 36%
HSV	314°, 97%, 69%
XYZ	22.6574, 11.2510, 24.2988
YIQ	71.3620, 60.4610, 77.2050

Conversions

Conversions Part 2

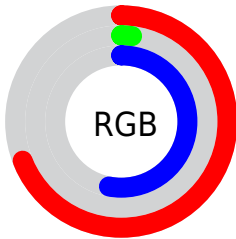
Format	Color
R_{YB}	177, 5, 136
Decimal	11601288
CIE _{Lab}	40.00, 68.64, -24.76
CIE _{LCh}	40, 72.973, 340.165
Yxy	11.2510, 0.3893, 0.1933
Android (android.graphics.Color)	4289791368 (0xFFB10588)
YUV	71.3620, 31.8665, 92.6445
Hunter-Lab	33.5425, 61.8747, -19.4711

Details

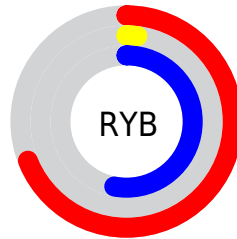
The CIELCh color **40, 72.973, 340.165** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **63, 82.479, 139.966**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 73.076, 340.156**, and **26, 53.707, 342.514** is the 20% darker color. If you saturate the color by 10%, you get **40, 73.226, 340.559**, and if you desaturate by 10%, it is **41, 71.599, 338.897**.

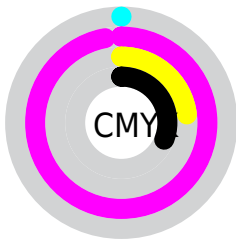
Distribution



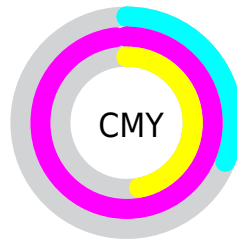
- Red (69%)
- Green (2%)
- Blue (53%)



- Red (69%)
- Yellow (2%)
- Blue (53%)



- Cyan (0%)
- Magenta (97%)
- Yellow (23%)
- Black (31%)





- Cyan (31%)
- Magenta (98%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 72.973, 340.165 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, 72.973, 340.165 by changing the saturation by 10% instead.


 40, 72.973,
340.165


 40, 72.973,
340.165


 100, 72.973,
340.165


 30, 72.973,
340.165

 60, 72.973,
340.165


 20, 72.973,
340.165

 70, 72.973,
340.165

 10, 72.973,
340.165

 80, 72.973,
340.165

 0, 72.973, 340.165

 90, 72.973,
340.165

 40, 72.973,

 40, 72.973,

340.165

340.165

■ 40, 73.226,
340.559

■ 41, 71.599,
338.897

■ 43, 68.137,
337.805

■ 45, 62.585,
336.845

■ 48, 55.280,
335.977

■ 52, 46.673,
335.173

■ 56, 37.210,
334.415

■ 60, 27.271,
333.693

■ 64, 17.143,
333.000

Harmonies

Complementary

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



40, 72.973, 340.165



63, 82.479, 139.966

Rectangle

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



40, 72.973, 340.165



40, 72.973, 30.165



40, 72.973, 160.165



40, 72.973, 210.165

Sweetspot

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



40, 72.970, 340.165



75, 36.125, 333.868



23, 98.190, 307.504



37, 24.724, 334.168



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, 72.970, 340.165



52, 88.639, 340.826



37, 66.537, 22.350



35, 5.716, 332.479



34, 65.873, 340.381



2, 12.865, 335.546

Inverse Universe

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



40, 72.970, 340.165



52, 88.639, 340.826



64, 50.742, 165.267



35, 5.716, 332.479



34, 65.873, 340.381



2, 12.865, 335.546

Previews

White Background



This preview shows how the CIELCh color 40, 72.973, 340.165 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, 72.973, 340.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

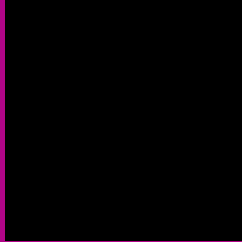
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 72.973, 340.165

Background



This preview shows how black text looks on a background with the CIELCh color 40, 72.973, 340.165.



This preview shows how white text looks on a background with the CIELCh color 40, 72.973, 340.165.

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, 72.973, 340.165

Protanopia
41, 60.640, 287.407

Deuteranopia
41, 19.490, 286.718



Tritanopia
41, 54.110, 27.941

Trichromacy



Original Color
40, 72.973, 340.165



Protanomaly
34, 68.412, 304.424



Deuteranomaly
36, 45.912, 323.026



Tritanomaly
39, 57.140, 5.501

Monochromacy



Original Color
40, 72.973, 340.165



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 37.248, 335.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 72.973, 340.165 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(177, 5, 136)` looks like.

```
.text, #text, p{  
    color:rgb(177, 5, 136)  
}
```

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(177, 5, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 5, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 72.973, 340.165 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(177, 5, 136) }
```

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

```
.border{ border-color:rgb(177, 5, 136) }
```

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

Here you see how a box with a 4 pixel rgb(177, 5, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 5, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 5, 136);  
box-shadow:4px 4px 4px 4px rgb(177, 5,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 72.973, 340.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 5, 136) }
```

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

```
.background{ background-color: rgb(177, 5,  
136) }
```

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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