

Converting Colors

CIELCh(40, 71.414, 344.826)

Have a look what the booklet for
CIELCh(40, 71.414, 344.826)
contains.

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Color

CIELCh(40, 71.210, 345.138)

Conversions

Conversions Part 1

Format	Color
Hex	B5007E
RGB	181, 0, 126
RGB Percent	71%, 0%, 49%
CMY	0.2917, 1.0000, 0.5072
CMYK	0.00, 1.00, 0.30, 0.29
HSL	318°, 100%, 35%
HSV	318°, 100%, 71%
XYZ	22.6978, 11.2510, 20.6008
YIQ	68.4830, 67.4300, 77.5580

Conversions

Conversions Part 2

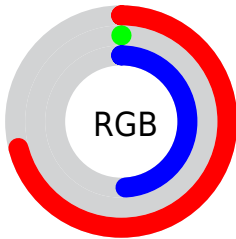
Format	Color
R_{YB}	181, 0, 126
Decimal	11862142
CIE _{Lab}	40.00, 68.83, -18.26
CIE _{LCh}	40, 71.210, 345.138
Yxy	11.2510, 0.4161, 0.2063
Android (android.graphics.Color)	4290052222 (0xFFB5007E)
YUV	68.4830, 28.3559, 98.6774
Hunter-Lab	33.5425, 62.0895, -12.9344

Details

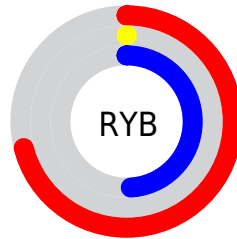
The CIELCh color **40, 71.210, 345.138** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **64, 81.547, 141.309**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 71.162, 345.070**, and **26, 51.914, 349.640** is the 20% darker color. If you saturate the color by 10%, you get **40, 71.083, 345.161**, and if you desaturate by 10%, it is **41, 70.215, 343.322**.

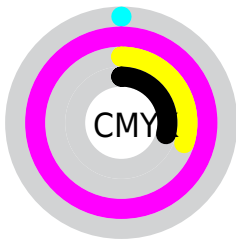
Distribution



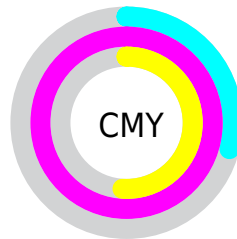
- Red (71%)
- Green (0%)
- Blue (49%)



- Red (71%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 71.210, 345.138 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, 71.210, 345.138 by changing the saturation by 10% instead.


 40, 71.210,
345.138


 40, 71.210,
345.138


 100, 71.210,
345.138


 30, 71.210,
345.138

 60, 71.210,
345.138


 20, 71.210,
345.138

 70, 71.210,
345.138

 10, 71.210,
345.138

 80, 71.210,
345.138

 0, 71.210, 345.138

 90, 71.210,
345.138

 40, 71.210,

 40, 71.210,

345.138

345.138

■ 40, 71.083,
345.161

■ 41, 70.215,
343.322

■ 43, 67.559,
341.759

■ 45, 62.760,
340.451

■ 48, 56.100,
339.328

■ 51, 48.020,
338.337

■ 55, 38.986,
337.439

■ 59, 29.400,
336.612

■ 64, 19.575,
335.839

Harmonies

Complementary

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



40, 71.210, 345.138



64, 81.547, 141.309

Rectangle

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



40, 71.210, 345.138



40, 71.210, 35.138



40, 71.210, 165.138



40, 71.210, 215.138

Sweetspot

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



40, 71.083, 345.161



75, 36.360, 336.653



24, 100.214, 308.341



38, 24.750, 336.989



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, 71.083, 345.161



52, 86.183, 345.543



38, 71.671, 29.355



35, 5.454, 335.054



34, 63.049, 344.873



2, 12.162, 339.009

Inverse Universe

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



40, 71.083, 345.161



52, 86.183, 345.543



66, 47.969, 170.878



35, 5.454, 335.054



34, 63.049, 344.873



2, 12.162, 339.009

Previews

White Background



This preview shows how the CIELCh color 40, 71.210, 345.138 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, 71.210, 345.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

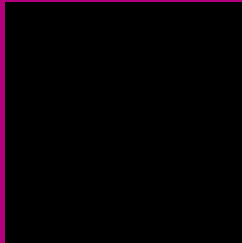
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 71.210, 345.138

Background



This preview shows how black text looks on a background with the CIELCh color 40, 71.210, 345.138.



This preview shows how white text looks on a background with the CIELCh color 40, 71.210, 345.138.

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, 71.210, 345.138

Protanopia

41, 51.624, 286.695

Deuteranopia

41, 13.380, 293.793



Tritanopia
41, 58.013, 29.604

Trichromacy



Original Color
40, 71.210, 345.138

Protanomaly
35, 62.152, 309.040

Deuteranomaly
36, 43.300, 330.363

Tritanomaly
39, 59.428, 10.030

Monochromacy



Original Color
40, 71.210, 345.138

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 37.744, 339.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 71.210, 345.138 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(181, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 126)  
}
```

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(181, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 71.210, 345.138 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(181, 0, 126) }
```

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

```
.border{ border-color:rgb(181, 0, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 71.210, 345.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 126) }
```

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

```
.background{ background-color: rgb(181, 0,  
126) }
```

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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