

Converting Colors

CIELCh(41, 70.625, 350.978)

Have a look what the booklet for
CIELCh(41, 70.625, 350.978)
contains.

CIELCh(41, 70.212, 351.038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 70.212, 351.038)

Conversions

Conversions Part 1

Format	Color
Hex	BB0075
RGB	187, 0, 117
RGB Percent	73%, 0%, 46%
CMY	0.2648, 1.0000, 0.5429
CMYK	0.00, 1.00, 0.38, 0.26
HSL	323°, 100%, 37%
HSV	323°, 100%, 74%
XYZ	23.7763, 11.8645, 17.7296
YIQ	69.2510, 73.8950, 76.0310

Conversions

Conversions Part 2

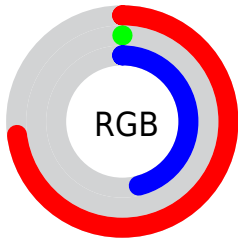
Format	Color
RYB	187, 0, 117
Decimal	12255349
CIELab	41.00, 69.35, -10.94
CIELCh	41, 70.212, 351.038
Yxy	11.8645, 0.4455, 0.2223
Android (android.graphics.Color)	4290445429 (0xFFBB0075)
YUV	69.2510, 23.5403, 103.2659
Hunter-Lab	34.4449, 62.9345, -6.4064

Details

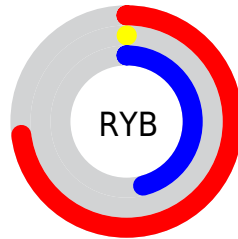
The CIELCh color **41, 70.212, 351.038** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **67, 79.260, 143.788**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 69.973, 350.876**, and **27, 51.491, 357.059** is the 20% darker color. If you saturate the color by 10%, you get **41, 70.045, 351.083**, and if you desaturate by 10%, it is **42, 69.204, 348.523**.

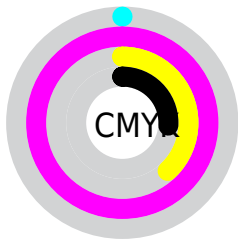
Distribution



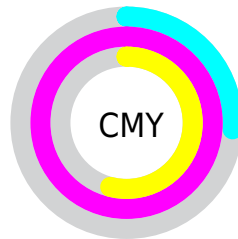
- Red (73%)
- Green (0%)
- Blue (46%)



- Red (73%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 70.212, 351.038 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 41, 70.212, 351.038 by changing the saturation by 10% instead.


 41, 70.212,
351.038


 41, 70.212,
351.038


 100, 70.212,
351.038


 31, 70.212,
351.038

 61, 70.212,
351.038


 21, 70.212,
351.038

 71, 70.212,
351.038

 11, 70.212,
351.038


 81, 70.212,
351.038

 1, 70.212, 351.038

 91, 70.212,
351.038

 0, 70.212, 351.038

 41, 70.212,

 41, 70.212,

351.038

351.038

■ 41, 70.045,
351.083

■ 42, 69.204,
348.523

■ 44, 66.587,
346.395

■ 46, 61.833,
344.670

■ 49, 55.226,
343.241

■ 53, 47.218,
342.024

■ 57, 38.283,
340.960

■ 61, 28.830,
340.008

■ 66, 19.168,
339.141

Harmonies

Complementary

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



41, 70.212, 351.038



67, 79.260, 143.788

Rectangle

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



41, 70.212, 351.038



41, 70.212, 41.038



41, 70.212, 171.038



41, 70.212, 221.038

Sweetspot

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



41, 70.045, 351.083



78, 35.807, 340.053



26, 101.811, 309.288



39, 24.397, 340.445



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 70.045, 351.083



54, 85.321, 351.610



39, 77.113, 34.039



37, 5.418, 338.280



34, 61.900, 350.680



3, 15.103, 344.384

Inverse Universe

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



41, 70.045, 351.083



54, 85.321, 351.610



68, 45.417, 178.149



37, 5.418, 338.280



34, 61.900, 350.680



3, 15.103, 344.384

Previews

White Background



This preview shows how the CIELCh color 41, 70.212, 351.038 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 41, 70.212, 351.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

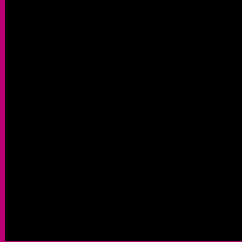
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 70.212, 351.038

Background



This preview shows how black text looks on a background with the CIELCh color 41, 70.212, 351.038.



This preview shows how white text looks on a background with the CIELCh color 41, 70.212, 351.038.

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

41, 70.054, 350.749

Protanopia

42, 42.418, 286.011

Deuteranopia

42, 7.435, 316.979



Tritanopia
42, 63.247, 30.954

Trichromacy



Original Color
41, 70.054, 350.749



Protanomaly
36, 55.151, 314.536



Deuteranomaly
37, 40.063, 339.792



Tritanomaly
41, 63.071, 14.763

Monochromacy



Original Color
41, 70.054, 350.749



Achromatopsia
29, 0.005, 296.813



Achromatomaly
29, 36.814, 343.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 70.212, 351.038 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(187, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 117)  
}
```

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(187, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 70.212, 351.038 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(187, 0, 117) }
```

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

```
.border{ border-color:rgb(187, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 70.212, 351.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 117) }
```

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

```
.background{ background-color: rgb(187, 0,  
117) }
```

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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