

Converting Colors

CIELCh(42, 78.394, 337.057)

Have a look what the booklet for
CIELCh(42, 78.394, 337.057)
contains.

CIELCh(42, 78.434, 336.936)	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(42, 78.434, 336.936)

Conversions

Conversions Part 1

Format	Color
Hex	B80297
RGB	184, 2, 151
RGB Percent	72%, 1%, 59%
CMY	0.2779, 0.9903, 0.4073
CMYK	0.00, 0.99, 0.18, 0.28
HSL	311°, 97%, 37%
HSV	311°, 99%, 72%
XYZ	25.4251, 12.5000, 30.4066
YIQ	73.4040, 60.6430, 84.9230

Conversions

Conversions Part 2

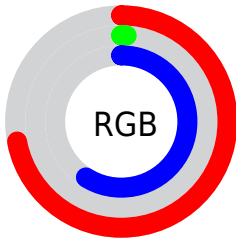
Format	Color
RYB	184, 2, 151
Decimal	12059287
CIELab	42.00, 72.16, -30.73
CIElCh	42, 78.434, 336.936
Yxy	12.5000, 0.3721, 0.1829
Android (android.graphics.Color)	4290249367 (0xFFB80297)
YUV	73.4040, 38.2548, 96.9927
Hunter-Lab	35.3553, 66.4927, -26.2424

Details

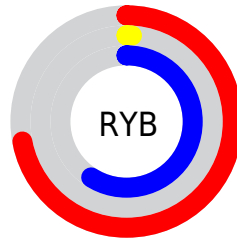
The CIELCh color **42, 78.434, 336.936** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **65, 88.452, 138.359**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.697, 336.846**, and **28, 58.704, 338.143** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.563, 337.061**, and if you desaturate by 10%, it is **43, 77.114, 336.020**.

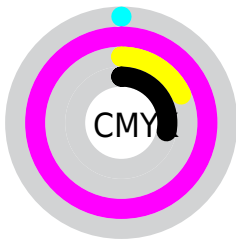
Distribution



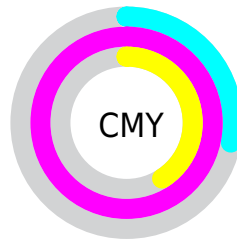
- Red (72%)
- Green (1%)
- Blue (59%)



- Red (72%)
- Yellow (1%)
- Blue (59%)



- Cyan (0%)
- Magenta (99%)
- Yellow (18%)
- Black (28%)




- Cyan (28%)
- Magenta (99%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 78.434, 336.936 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 42, 78.434, 336.936 by changing the saturation by 10% instead.


 42, 78.434,
336.936


 42, 78.434,
336.936


 100, 78.434,
336.936


 32, 78.434,
336.936

 62, 78.434,
336.936


 22, 78.434,
336.936

 72, 78.434,
336.936

 12, 78.434,
336.936

 82, 78.434,
336.936

 2, 78.434, 336.936

 92, 78.434,
336.936

 0, 78.434, 336.936

 42, 78.434,

 42, 78.434,

336.936

■ 42, 78.563,
337.061

336.936

■ 43, 77.114,
336.020

■ 44, 73.744,
335.192

■ 47, 68.147,
334.432

■ 50, 60.627,
333.713

■ 53, 51.632,
333.019

■ 57, 41.636,
332.342

■ 61, 31.053,
331.679

■ 66, 20.206,
331.031

Harmonies

Complementary

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



42, 78.434, 336.936



65, 88.452, 138.359

Rectangle

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



42, 78.434, 336.936



42, 78.434, 26.936



42, 78.434, 156.936



42, 78.434, 206.936

Sweetspot

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



42, 78.431, 336.936



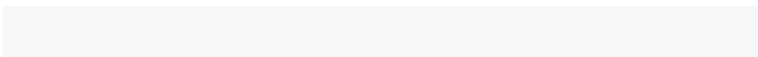
77, 40.252, 331.800



23, 102.894, 306.933



39, 27.386, 332.077



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 78.431, 336.936



55, 95.518, 337.240



39, 67.227, 17.355



36, 6.092, 330.435



35, 69.477, 336.925



3, 15.660, 332.964

Inverse Universe

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



42, 78.431, 336.936



55, 95.518, 337.240



66, 57.255, 159.594



36, 6.092, 330.435



35, 69.477, 336.925



3, 15.660, 332.964

Previews

White Background



This preview shows how the CIELCh color 42, 78.434, 336.936 looks on a white background.

Color Contrast Check

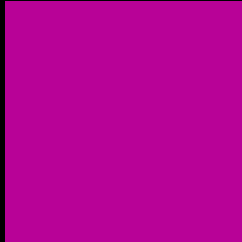
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 78.434, 336.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

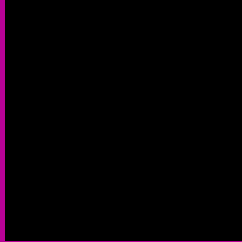
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 78.434, 336.936

Background



This preview shows how black text looks on a background with the CIELCh color 42, 78.434, 336.936.



This preview shows how white text looks on a background with the CIELCh color 42, 78.434, 336.936.

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

42, 78.434, 336.936

Protanopia

43, 66.119, 287.146

Deuteranopia

43, 25.482, 283.946



Tritanopia
43, 53.634, 27.273

Trichromacy



Original Color
42, 78.434, 336.936

Protanomaly
35, 75.925, 301.441

Deuteranomaly
38, 51.649, 318.321

Tritanomaly
41, 58.761, 2.640

Monochromacy



Original Color
42, 78.434, 336.936

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 40.822, 333.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 78.434, 336.936 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(184, 2, 151)` looks like.

```
.text, #text, p{  
    color:rgb(184, 2, 151)  
}
```

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(184, 2, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 2, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 78.434, 336.936 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(184, 2, 151) }
```

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

```
.border{ border-color:rgb(184, 2, 151) }
```

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

Here you see how a box with a 4 pixel rgb(184, 2, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 2, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 2, 151);  
box-shadow:4px 4px 4px 4px rgb(184, 2,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 78.434, 336.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 2, 151) }
```

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

```
.background{ background-color: rgb(184, 2,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor