

Converting Colors

CIELCh(42, 72.066, 342.555)

Have a look what the booklet for
CIELCh(42, 72.066, 342.555)
contains.

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Color

CIELCh(42, 72.033, 342.691)

Conversions

Conversions Part 1

Format	Color
Hex	B91288
RGB	185, 18, 136
RGB Percent	73%, 7%, 53%
CMY	0.2749, 0.9303, 0.4671
CMYK	0.00, 0.90, 0.26, 0.27
HSL	318°, 82%, 40%
HSV	318°, 90%, 73%
XYZ	24.6300, 12.5000, 24.3705
YIQ	81.3850, 61.6540, 72.1020

Conversions

Conversions Part 2

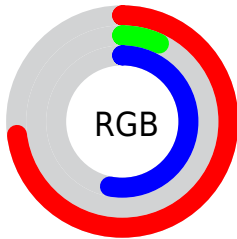
Format	Color
RYB	185, 18, 136
Decimal	12128904
CIELab	42.00, 68.77, -21.43
CIELCh	42, 72.033, 342.691
Yxy	12.5000, 0.4005, 0.2033
Android (android.graphics.Color)	4290318984 (0xFFB91288)
YUV	81.3850, 26.9252, 90.8704
Hunter-Lab	35.3553, 62.4787, -16.1201

Details

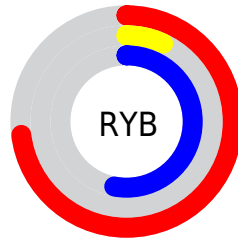
The CIELCh color **42, 72.033, 342.691** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **66, 78.923, 142.723**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.239, 342.508**, and **27, 54.622, 345.839** is the 20% darker color. If you saturate the color by 10%, you get **41, 72.820, 344.382**, and if you desaturate by 10%, it is **44, 69.418, 341.186**.

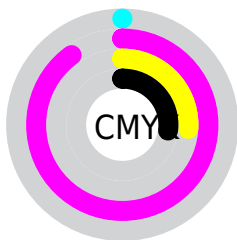
Distribution



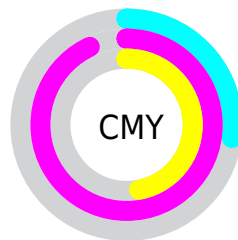
- Red (73%)
- Green (7%)
- Blue (53%)



- Red (73%)
- Yellow (7%)
- Blue (53%)



- Cyan (0%)
- Magenta (90%)
- Yellow (26%)
- Black (27%)





- Cyan (27%)
- Magenta (93%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 72.033, 342.691 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, 72.033, 342.691 by changing the saturation by 10% instead.


 42, 72.033,
342.691


 42, 72.033,
342.691


 100, 72.033,
342.691


 32, 72.033,
342.691

 62, 72.033,
342.691


 22, 72.033,
342.691

 72, 72.033,
342.691

 12, 72.033,
342.691

 82, 72.033,
342.691

 2, 72.033, 342.691

 92, 72.033,
342.691

 0, 72.033, 342.691

 42, 72.033,

 42, 72.033,

342.691

342.691

■ 41, 72.820,
344.382

■ 44, 69.418,
341.186

■ 46, 64.602,
339.922

■ 49, 57.856,
338.831

■ 52, 49.630,
337.864

■ 56, 40.398,
336.984

■ 61, 30.578,
336.170

■ 65, 20.496,
335.406

■ 70, 10.382,
334.679

Harmonies

Complementary

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



42, 72.033, 342.691



66, 78.923, 142.723

Rectangle

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



42, 72.033, 342.691



42, 72.033, 32.691



42, 72.033, 162.691



42, 72.033, 212.691

Sweetspot

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



42, 72.030, 342.691



79, 33.566, 335.940



27, 97.070, 308.106



40, 22.594, 336.204



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, 72.030, 342.691



53, 88.200, 344.734



40, 67.540, 23.197



36, 5.627, 334.603



34, 64.253, 344.103



3, 14.146, 338.937

Inverse Universe

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



42, 72.030, 342.691



53, 88.200, 344.734



67, 47.901, 170.965



36, 5.627, 334.603



34, 64.253, 344.103



3, 14.146, 338.937

Previews

White Background



This preview shows how the CIELCh color 42, 72.033, 342.691 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 42, 72.033, 342.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

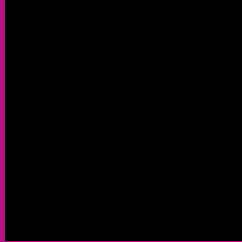
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 72.033, 342.691

Background



This preview shows how black text looks on a background with the CIELCh color 42, 72.033, 342.691.



This preview shows how white text looks on a background with the CIELCh color 42, 72.033, 342.691.

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





Tritanopia
42, 56.965, 28.387

Trichromacy



Original Color
42, 72.033, 342.691

Protanomaly
37, 62.593, 306.003

Deuteranomaly
39, 42.430, 326.334

Tritanomaly
41, 58.252, 8.522

Monochromacy



Original Color
42, 72.033, 342.691

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 35.252, 337.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 72.033, 342.691 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(185, 18, 136)` looks like.

```
.text, #text, p{  
    color:rgb(185, 18, 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(185, 18, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 18, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 72.033, 342.691 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(185, 18, 136) }
```

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

```
.border{ border-color:rgb(185, 18, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 18, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 18, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 18, 136);  
box-shadow:4px 4px 4px 4px rgb(185, 18,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 72.033, 342.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 18, 136) }
```

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

```
.background{ background-color: rgb(185, 18,  
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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