

Converting Colors

CIELCh(42, 72.960, 347.068)

Have a look what the booklet for
CIELCh(42, 72.960, 347.068)
contains.

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Color

CIELCh(42, 72.770, 346.920)

Conversions

Conversions Part 1

Format	Color
Hex	BE0080
RGB	190, 0, 128
RGB Percent	75%, 0%, 50%
CMY	0.2550, 1.0000, 0.4981
CMYK	0.00, 1.00, 0.33, 0.26
HSL	320°, 100%, 37%
HSV	320°, 100%, 74%
XYZ	25.1226, 12.5000, 21.5029
YIQ	71.4020, 72.1520, 80.0880

Conversions

Conversions Part 2

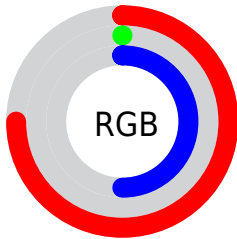
Format	Color
RYB	190, 0, 128
Decimal	12451968
CIELab	42.00, 70.88, -16.47
CIELCh	42, 72.770, 346.920
Yxy	12.5000, 0.4249, 0.2114
Android (android.graphics.Color)	4290642048 (0xFFBE0080)
YUV	71.4020, 27.9028, 104.0104
Hunter-Lab	35.3553, 64.9656, -11.3111

Details

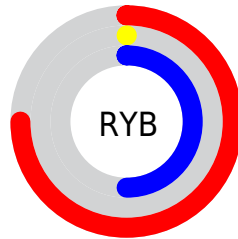
The CIELCh color **42, 72.770, 346.920** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **67, 83.462, 141.936**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.800, 346.976**, and **28, 53.657, 351.682** is the 20% darker color. If you saturate the color by 10%, you get **42, 72.762, 346.922**, and if you desaturate by 10%, it is **43, 71.976, 344.857**.

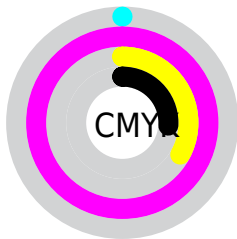
Distribution



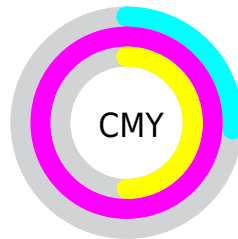
- Red (75%)
- Green (0%)
- Blue (50%)



- Red (75%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 72.770, 346.920 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, 72.770, 346.920 by changing the saturation by 10% instead.


 42, 72.770,
346.920


 42, 72.770,
346.920


 100, 72.770,
346.920


 32, 72.770,
346.920

 62, 72.770,
346.920


 22, 72.770,
346.920

 72, 72.770,
346.920

 12, 72.770,
346.920

 82, 72.770,
346.920

 2, 72.770, 346.920

 92, 72.770,
346.920

 0, 72.770, 346.920

 42, 72.770,

 42, 72.770,

346.920

346.920

■ 42, 72.762,
346.922

■ 43, 71.976,
344.857

■ 45, 69.314,
343.120

■ 47, 64.428,
341.685

■ 50, 57.606,
340.469

■ 54, 49.311,
339.409

■ 58, 40.027,
338.460

■ 62, 30.177,
337.595

■ 67, 20.085,
336.792

Harmonies

Complementary

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



42, 72.770, 346.920



67, 83.462, 141.936

Rectangle

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



42, 72.770, 346.920



42, 72.770, 36.920



42, 72.770, 166.920



42, 72.770, 216.920

Sweetspot

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



42, 72.762, 346.922



79, 37.388, 337.635



26, 103.795, 308.531



40, 25.680, 337.998



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 72.762, 346.922



55, 88.442, 347.333



40, 75.380, 30.790



37, 5.621, 335.984



35, 63.685, 346.578



3, 15.730, 341.327

Inverse Universe

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



42, 72.762, 346.922



55, 88.442, 347.333



69, 48.805, 172.530



37, 5.621, 335.984



35, 63.685, 346.578



3, 15.730, 341.327

Previews

White Background



This preview shows how the CIELCh color 42, 72.770, 346.920 looks on a white background.

Color Contrast Check

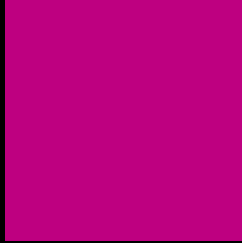
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.770, 346.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

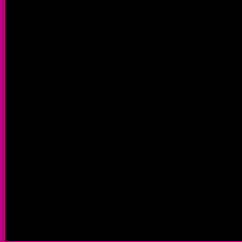
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 72.770, 346.920

Background



This preview shows how black text looks on a background with the CIELCh color 42, 72.770, 346.920.

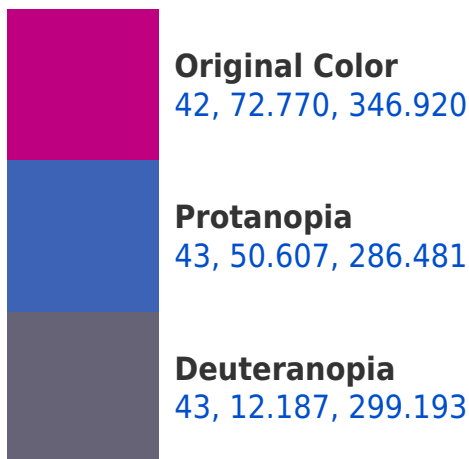


This preview shows how white text looks on a background with the CIELCh color 42, 72.770, 346.920.

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
43, 61.646, 30.110

Trichromacy



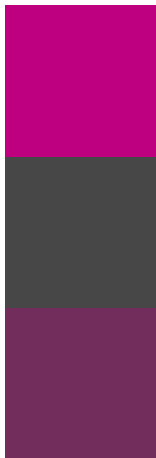
Original Color
42, 72.770, 346.920

Protanomaly
37, 61.963, 310.656

Deuteranomaly
38, 43.635, 333.202

Tritanomaly
41, 62.606, 11.801

Monochromacy



Original Color
42, 72.770, 346.920

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 38.724, 339.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 72.770, 346.920 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(190, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 128)  
}
```

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(190, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 72.770, 346.920 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(190, 0, 128) }
```

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

```
.border{ border-color:rgb(190, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 72.770, 346.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 128) }
```

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

```
.background{ background-color: rgb(190, 0,  
128) }
```

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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