

Converting Colors

CIELCh(42, 68.119, 349.677)

Have a look what the booklet for
CIELCh(42, 68.119, 349.677)
contains.

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Color

CIELCh(42, 68.192, 349.655)

Conversions

Conversions Part 1

Format	Color
Hex	BB1579
RGB	187, 21, 121
RGB Percent	73%, 8%, 47%
CMY	0.2663, 0.9169, 0.5252
CMYK	0.00, 0.89, 0.35, 0.27
HSL	324°, 80%, 41%
HSV	324°, 89%, 73%
XYZ	24.2409, 12.5000, 19.2477
YIQ	82.0340, 66.8360, 66.2920

Conversions

Conversions Part 2

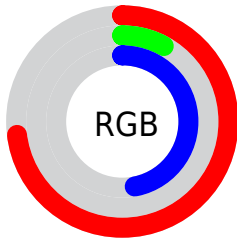
Format	Color
R_{YB}	187, 21, 121
Decimal	12260729
CIE _{Lab}	42.00, 67.08, -12.25
CIE _{LCh}	42, 68.192, 349.655
Yxy	12.5000, 0.4330, 0.2233
Android (android.graphics.Color)	4290450809 (0xFFBB1579)
YUV	82.0340, 19.2102, 92.0552
Hunter-Lab	35.3553, 60.5144, -7.5291

Details

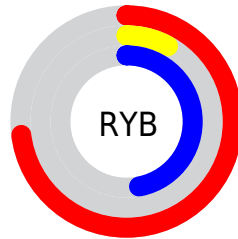
The CIELCh color **42, 68.192, 349.655** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **67, 72.263, 146.919**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.028, 349.693**, and **27, 51.903, 355.016** is the 20% darker color. If you saturate the color by 10%, you get **41, 69.196, 352.372**, and if you desaturate by 10%, it is **44, 65.281, 347.436**.

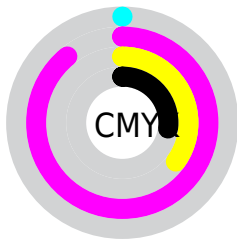
Distribution



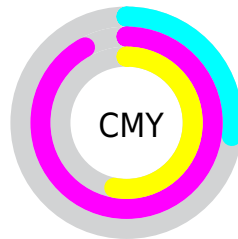
- Red (73%)
- Green (8%)
- Blue (47%)



- Red (73%)
- Yellow (8%)
- Blue (47%)



- Cyan (0%)
- Magenta (89%)
- Yellow (35%)
- Black (27%)





- Cyan (27%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 68.192, 349.655 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, 68.192, 349.655 by changing the saturation by 10% instead.


 42, 68.192,
349.655

 42, 68.192,
349.655


 100, 68.192,
349.655

 32, 68.192,
349.655

 62, 68.192,
349.655

 22, 68.192,
349.655

 72, 68.192,
349.655

 12, 68.192,
349.655

 82, 68.192,
349.655

 2, 68.192, 349.655

 92, 68.192,
349.655

 0, 68.192, 349.655

 42, 68.192,

 42, 68.192,

349.655

■ 41, 69.196,
352.372

■ 41, 69.298,
352.745

349.655

■ 44, 65.281,
347.436

■ 46, 60.290,
345.643

■ 49, 53.528,
344.164

■ 53, 45.454,
342.910

■ 57, 36.533,
341.818

■ 62, 27.157,
340.846

■ 67, 17.619,
339.963

■ 72, 8.120, 339.137

Harmonies

Complementary

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



42, 68.192, 349.655



67, 72.263, 146.919

Rectangle

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



42, 68.192, 349.655



42, 68.192, 39.655



42, 68.192, 169.655



42, 68.192, 219.655

Sweetspot

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



42, 68.189, 349.656



79, 31.535, 340.732



30, 95.356, 309.860



40, 21.427, 341.050



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 68.189, 349.656



53, 83.891, 353.299



40, 71.044, 29.930



37, 5.343, 339.193



34, 61.325, 352.314



3, 14.888, 345.549

Inverse Universe

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



42, 68.189, 349.656



53, 83.891, 353.299



68, 42.956, 181.606



37, 5.343, 339.193



34, 61.325, 352.314



3, 14.888, 345.549

Previews

White Background



This preview shows how the CIELCh color 42, 68.192, 349.655 looks on a white background.

Color Contrast Check

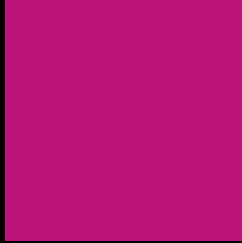
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.192, 349.655 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, 68.192, 349.655

Background



This preview shows how black text looks on a background with the CIELCh color 42, 68.192, 349.655.



This preview shows how white text looks on a background with the CIELCh color 42, 68.192, 349.655.

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, 68.192, 349.655

Protanopia

43, 43.534, 286.131

Deuteranopia

43, 9.513, 308.481



Tritanopia
42, 60.826, 29.974

Trichromacy



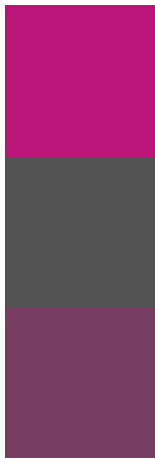
Original Color
42, 68.192, 349.655

Protanomaly
38, 51.668, 312.484

Deuteranomaly
39, 36.950, 337.513

Tritanomaly
42, 59.854, 13.669

Monochromacy



Original Color
42, 68.192, 349.655

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 32.467, 342.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 68.192, 349.655 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, 21, 121)` looks like.

```
.text, #text, p{  
    color:rgb(187, 21, 121)  
}
```

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, 21, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 21, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 68.192, 349.655 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, 21, 121) }
```

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

```
.border{ border-color:rgb(187, 21, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 21, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 21, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 21, 121);  
box-shadow:4px 4px 4px 4px rgb(187, 21,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 68.192, 349.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 21, 121) }
```

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

```
.background{ background-color: rgb(187, 21,  
121) }
```

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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