

Converting Colors

CIELCh(42, 66.669, 343.845)

Have a look what the booklet for
CIELCh(42, 66.669, 343.845)
contains.

CIELCh(42, 66.507, 343.821)	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, 66.507, 343.821)

Conversions

Conversions Part 1

Format	Color
Hex	B42283
RGB	180, 34, 131
RGB Percent	71%, 13%, 51%
CMY	0.2939, 0.8663, 0.4861
CMYK	0.00, 0.81, 0.27, 0.29
HSL	320°, 68%, 42%
HSV	320°, 81%, 71%
XYZ	23.5120, 12.5000, 22.6658
YIQ	88.7120, 55.8790, 61.1190

Conversions

Conversions Part 2

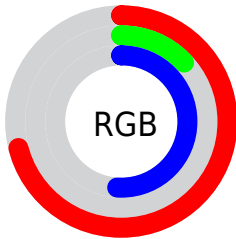
Format	Color
R_{YB}	180, 34, 131
Decimal	11805315
CIE _{Lab}	42.00, 63.87, -18.53
CIE _{LCh}	42, 66.507, 343.821
Yxy	12.5000, 0.4007, 0.2130
Android (android.graphics.Color)	4289995395 (0xFFB42283)
YUV	88.7120, 20.8480, 80.0596
Hunter-Lab	35.3553, 56.8344, -13.2612

Details

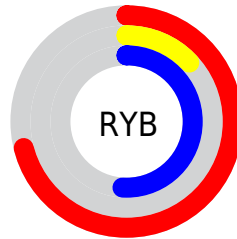
The CIELCh color **42, 66.507, 343.821** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **65, 69.493, 146.034**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.192, 343.790**, and **26, 52.697, 346.715** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.881, 345.647**, and if you desaturate by 10%, it is **44, 62.005, 342.319**.

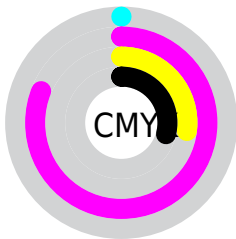
Distribution



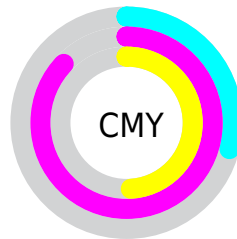
- Red (71%)
- Green (13%)
- Blue (51%)



- Red (71%)
- Yellow (13%)
- Blue (51%)



- Cyan (0%)
- Magenta (81%)
- Yellow (27%)
- Black (29%)





- Cyan (29%)
- Magenta (87%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 66.507, 343.821 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, 66.507, 343.821 by changing the saturation by 10% instead.


 42, 66.507,
343.821


 42, 66.507,
343.821


 100, 66.507,
343.821


 32, 66.507,
343.821

 62, 66.507,
343.821


 22, 66.507,
343.821

 72, 66.507,
343.821

 12, 66.507,
343.821

 82, 66.507,
343.821

 2, 66.507, 343.821

 92, 66.507,
343.821

 0, 66.507, 343.821

 42, 66.507,

 42, 66.507,

343.821

41, 68.881,
345.647

40, 69.586,
347.556

343.821

44, 62.005,
342.319

47, 55.639,
341.054

51, 47.837,
339.958

54, 39.061,
338.984

59, 29.720,
338.099

63, 20.128,
337.283

68, 10.508,
336.515

73, 1.007, 335.521

Harmonies

Complementary

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



42, 66.507, 343.821



65, 69.493, 146.034

Rectangle

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



42, 66.507, 343.821



42, 66.507, 33.821



42, 66.507, 163.821



42, 66.507, 213.821

Sweetspot

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



42, 66.504, 343.822



79, 28.465, 337.549



30, 87.348, 308.738



40, 19.548, 337.836



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 66.504, 343.822



52, 84.506, 347.303



40, 62.316, 22.635



35, 5.333, 336.382



33, 61.861, 347.226



2, 11.857, 340.719

Inverse Universe

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



42, 66.504, 343.822



52, 84.506, 347.303



66, 42.286, 177.329



35, 5.333, 336.382



33, 61.861, 347.226



2, 11.857, 340.719

Previews

White Background



This preview shows how the CIELCh color 42, 66.507, 343.821 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, 66.507, 343.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

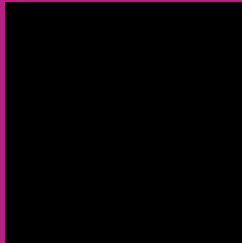
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.507, 343.821

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.507, 343.821.



This preview shows how white text looks on a background with the CIELCh color 42, 66.507, 343.821.

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, 66.507, 343.821

Protanopia
43, 48.321, 286.282

Deuteranopia
42, 15.105, 292.363



Tritanopia
42, 53.290, 27.297

Trichromacy



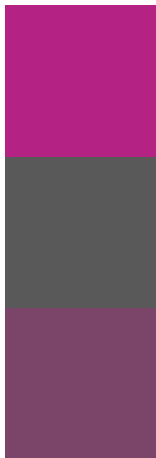
Original Color
42, 66.507, 343.821

Protanomaly
39, 53.158, 307.567

Deuteranomaly
40, 36.468, 327.650

Tritanomaly
42, 54.123, 8.945

Monochromacy



Original Color
42, 66.507, 343.821

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 29.956, 339.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.507, 343.821 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(180, 34, 131)` looks like.

```
.text, #text, p{  
    color:rgb(180, 34, 131)  
}
```

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(180, 34, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 34, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.507, 343.821 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(180, 34, 131) }
```

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

```
.border{ border-color:rgb(180, 34, 131) }
```

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

Here you see how a box with a 4 pixel rgb(180, 34, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 34, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 34, 131);  
box-shadow:4px 4px 4px 4px rgb(180, 34,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.507, 343.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 34, 131) }
```

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

```
.background{ background-color: rgb(180, 34,  
131) }
```

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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