

Converting Colors

CIELCh(42, 82.093, 333.748)

Have a look what the booklet for
CIELCh(42, 82.093, 333.748)
contains.

CIELCh(42, 81.636, 333.958)	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, 81.636, 333.958)

Conversions

Conversions Part 1

Format	Color
Hex	B700A0
RGB	183, 0, 160
RGB Percent	72%, 0%, 63%
CMY	0.2842, 1.0000, 0.3743
CMYK	0.00, 1.00, 0.13, 0.28
HSL	308°, 100%, 36%
HSV	308°, 100%, 72%
XYZ	25.7062, 12.5000, 34.1161
YIQ	72.9570, 57.7080, 88.5560

Conversions

Conversions Part 2

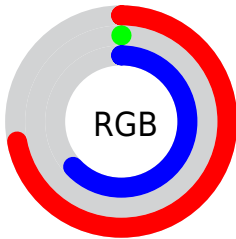
Format	Color
R_{YB}	183, 0, 160
Decimal	11993248
CIE _{Lab}	42.00, 73.35, -35.84
CIE _{LCh}	42, 81.636, 333.958
Yxy	12.5000, 0.3554, 0.1728
Android (android.graphics.Color)	4290183328 (0xFFB700A0)
YUV	72.9570, 42.9122, 96.5077
Hunter-Lab	35.3553, 67.9121, -32.4631

Details

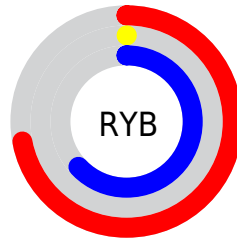
The CIELCh color **42, 81.636, 333.958** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **65, 90.415, 137.259**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 81.608, 334.076**, and **28, 61.479, 334.271** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.473, 333.962**, and if you desaturate by 10%, it is **43, 80.036, 333.360**.

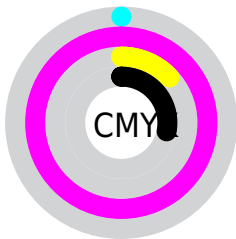
Distribution



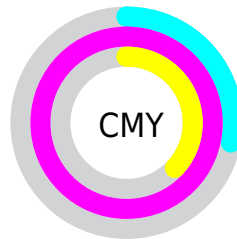
- Red (72%)
- Green (0%)
- Blue (63%)



- Red (72%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 81.636, 333.958 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, 81.636, 333.958 by changing the saturation by 10% instead.


 42, 81.636,
333.958


 42, 81.636,
333.958


 100, 81.636,
333.958


 32, 81.636,
333.958

 62, 81.636,
333.958


 22, 81.636,
333.958

 72, 81.636,
333.958

 12, 81.636,
333.958

 82, 81.636,
333.958

 2, 81.636, 333.958

 92, 81.636,
333.958

 0, 81.636, 333.958

 42, 81.636,

 42, 81.636,

333.958

333.958

■ 42, 81.473,
333.962

■ 43, 80.036,
333.360

■ 44, 76.725,
332.779

■ 46, 71.174,
332.206

■ 49, 63.639,
331.628

■ 52, 54.548,
331.039

■ 56, 44.369,
330.439

■ 60, 33.529,
329.835

■ 65, 22.368,
329.230

■ 69, 11.137,
328.624

Harmonies

Complementary

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



42, 81.636, 333.958



65, 90.415, 137.259

Rectangle

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



42, 81.636, 333.958



42, 81.636, 23.958



42, 81.636, 153.958



42, 81.636, 203.958

Sweetspot

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



42, 81.473, 333.962



77, 41.470, 329.865



22, 103.408, 306.700



39, 28.455, 330.120



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, 81.473, 333.962



55, 98.972, 334.072



39, 66.191, 13.232



36, 6.337, 328.584



36, 72.485, 333.882



3, 16.553, 330.164

Inverse Universe

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



42, 81.473, 333.962



55, 98.972, 334.072



66, 60.832, 155.866



36, 6.337, 328.584



36, 72.485, 333.882



3, 16.553, 330.164

Previews

White Background



This preview shows how the CIELCh color 42, 81.636, 333.958 looks on a white background.

Color Contrast Check

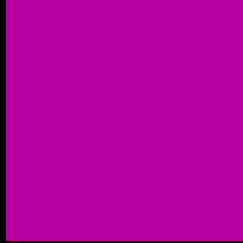
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.636, 333.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

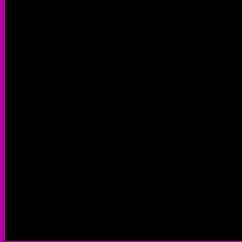
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 81.636, 333.958

Background



This preview shows how black text looks on a background with the CIELCh color 42, 81.636, 333.958.

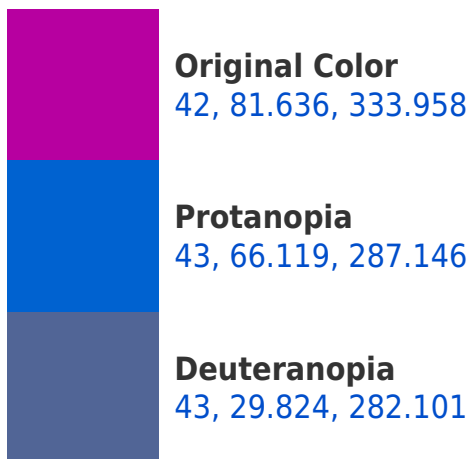


This preview shows how white text looks on a background with the CIELCh color 42, 81.636, 333.958.

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, 50.848, 26.468

Trichromacy



Original Color
42, 81.636, 333.958

Protanomaly
35, 78.234, 301.654

Deuteranomaly
38, 56.219, 315.158

Tritanomaly
41, 58.053, 359.047

Monochromacy



Original Color
42, 81.636, 333.958

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 42.686, 331.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 81.636, 333.958 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(183, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 160)  
}
```

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(183, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 81.636, 333.958 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(183, 0, 160) }
```

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

```
.border{ border-color:rgb(183, 0, 160) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 81.636, 333.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 160) }
```

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

```
.background{ background-color: rgb(183, 0,  
160) }
```

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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