

Converting Colors

CIELCh(42, 82.105, 333.493)

Have a look what the booklet for
CIELCh(42, 82.105, 333.493)
contains.

CIELCh(42, 81.961, 333.426)	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, 81.961, 333.426)

Conversions

Conversions Part 1

Format	Color
Hex	B600A1
RGB	182, 0, 161
RGB Percent	71%, 0%, 63%
CMY	0.2866, 1.0000, 0.3689
CMYK	0.00, 1.00, 0.12, 0.29
HSL	307°, 100%, 36%
HSV	307°, 100%, 71%
XYZ	25.6954, 12.5000, 34.7414
YIQ	72.7720, 56.7910, 88.6550

Conversions

Conversions Part 2

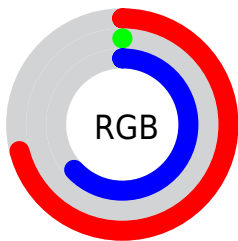
Format	Color
R_{YB}	182, 0, 161
Decimal	11927713
CIE _{Lab}	42.00, 73.30, -36.67
CIE _{LCh}	42, 81.961, 333.426
Yxy	12.5000, 0.3523, 0.1714
Android (android.graphics.Color)	4290117793 (0xFFB600A1)
YUV	72.7720, 43.4964, 95.7930
Hunter-Lab	35.3553, 67.8576, -33.5117

Details

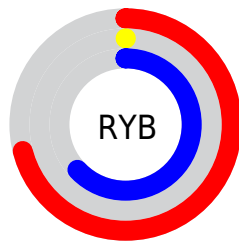
The CIELCh color **42, 81.961, 333.426** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **65, 90.500, 137.117**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 81.847, 333.579**, and **28, 61.824, 333.511** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.932, 333.427**, and if you desaturate by 10%, it is **43, 80.440, 332.878**.

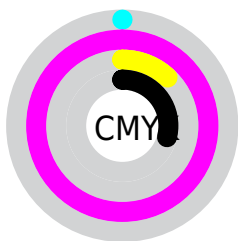
Distribution



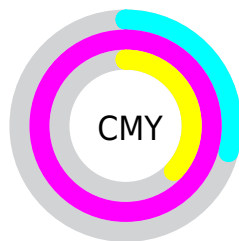
- Red (71%)
- Green (0%)
- Blue (63%)



- Red (71%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 81.961, 333.426 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, 81.961, 333.426 by changing the saturation by 10% instead.


 42, 81.961,
333.426


 42, 81.961,
333.426


 100, 81.961,
333.426


 32, 81.961,
333.426

 62, 81.961,
333.426


 22, 81.961,
333.426

 72, 81.961,
333.426

 12, 81.961,
333.426

 82, 81.961,
333.426

 2, 81.961, 333.426

 92, 81.961,
333.426


 0, 81.961, 333.426

 42, 81.961,

 42, 81.961,

333.426

333.426


 42, 81.932,
333.427

 43, 80.440,
332.878

 44, 77.081,
332.339

 46, 71.488,
331.799

 49, 63.915,
331.245

 52, 54.784,
330.674

 56, 44.563,
330.088

 60, 33.677,
329.494

 65, 22.468,
328.896

■ 69, 11.188,
328.297

Harmonies

Complementary

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



42, 81.961, 333.426



65, 90.500, 137.117

Rectangle

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



42, 81.961, 333.426



42, 81.961, 23.426



42, 81.961, 153.426



42, 81.961, 203.426

Sweetspot

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



42, 81.932, 333.427



77, 41.766, 329.524



22, 103.283, 306.621



39, 28.657, 329.775



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, 81.932, 333.427



55, 99.787, 333.526



39, 65.805, 11.606



36, 6.383, 328.257



36, 73.065, 333.356



3, 16.729, 329.661

Inverse Universe

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



42, 81.932, 333.427



55, 99.787, 333.526



65, 61.874, 154.803



36, 6.383, 328.257



36, 73.065, 333.356



3, 16.729, 329.661

Previews

White Background



This preview shows how the CIELCh color 42, 81.961, 333.426 looks on a white background.

Color Contrast Check

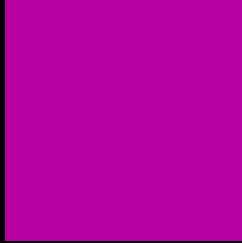
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.961, 333.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

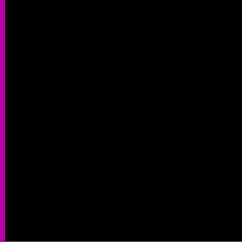
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 81.961, 333.426

Background



This preview shows how black text looks on a background with the CIELCh color 42, 81.961, 333.426.

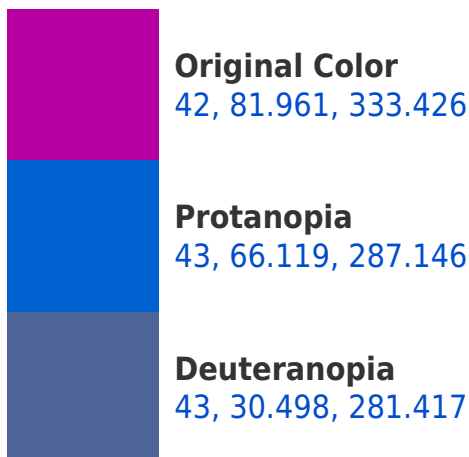


This preview shows how white text looks on a background with the CIELCh color 42, 81.961, 333.426.

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, 50.226, 25.747

Trichromacy



Original Color
42, 81.961, 333.426



Protanomaly
35, 78.783, 301.690



Deuteranomaly
37, 57.204, 314.107



Tritanomaly
41, 57.900, 358.172

Monochromacy



Original Color
42, 81.961, 333.426



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 43.116, 331.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 81.961, 333.426 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(182, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 161)  
}
```

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(182, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 81.961, 333.426 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(182, 0, 161) }
```

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

```
.border{ border-color:rgb(182, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 81.961, 333.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 161) }
```

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

```
.background{ background-color: rgb(182, 0,  
161) }
```

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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