

Converting Colors

CIELCh(42, 81.567, 333.487)

Have a look what the booklet for
CIELCh(42, 81.567, 333.487)
contains.

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Color

CIELCh(42, 81.386, 333.712)

Conversions

Conversions Part 1

Format	Color
Hex	B602A0
RGB	182, 2, 160
RGB Percent	71%, 1%, 63%
CMY	0.2867, 0.9935, 0.3730
CMYK	0.00, 0.99, 0.12, 0.29
HSL	307°, 98%, 36%
HSV	307°, 99%, 71%
XYZ	25.6160, 12.5000, 34.2699
YIQ	73.8320, 56.5620, 87.2980

Conversions

Conversions Part 2

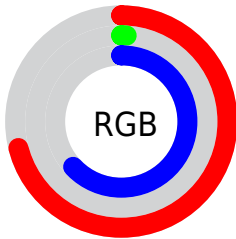
Format	Color
RYB	182, 2, 160
Decimal	11928224
CIELab	42.00, 72.97, -36.04
CIElCh	42, 81.386, 333.712
Yxy	12.5000, 0.3539, 0.1727
Android (android.graphics.Color)	4290118304 (0xFFB602A0)
YUV	73.8320, 42.4808, 94.8633
Hunter-Lab	35.3553, 67.4566, -32.7211

Details

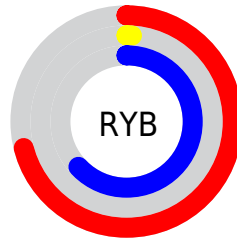
The CIELCh color **42, 81.386, 333.712** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **65, 89.987, 137.285**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 81.496, 333.844**, and **28, 61.451, 333.913** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.500, 333.765**, and if you desaturate by 10%, it is **43, 79.831, 333.131**.

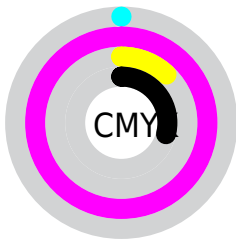
Distribution



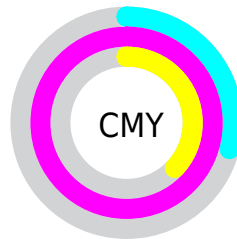
- Red (71%)
- Green (1%)
- Blue (63%)



- Red (71%)
- Yellow (1%)
- Blue (63%)



- Cyan (0%)
- Magenta (99%)
- Yellow (12%)
- Black (29%)




- Cyan (29%)
- Magenta (99%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 81.386, 333.712 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, 81.386, 333.712 by changing the saturation by 10% instead.


 42, 81.386,
333.712


 42, 81.386,
333.712


 100, 81.386,
333.712


 32, 81.386,
333.712

 62, 81.386,
333.712


 22, 81.386,
333.712

 72, 81.386,
333.712

 12, 81.386,
333.712

 82, 81.386,
333.712

 2, 81.386, 333.712

 92, 81.386,
333.712

 0, 81.386, 333.712

 42, 81.386,

 42, 81.386,

333.712

333.712

■ 42, 81.500,
333.765

■ 43, 79.831,
333.131

■ 44, 76.298,
332.566

■ 46, 70.546,
332.005

■ 49, 62.849,
331.435

■ 53, 53.641,
330.851

■ 56, 43.389,
330.256

■ 61, 32.510,
329.655

■ 65, 21.337,
329.053

■ 70, 10.112,
328.449

Harmonies

Complementary

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



42, 81.386, 333.712



65, 89.987, 137.285

Rectangle

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



42, 81.386, 333.712



42, 81.386, 23.712



42, 81.386, 153.712



42, 81.386, 203.712

Sweetspot

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



42, 81.383, 333.712



77, 41.578, 329.741



22, 102.655, 306.637



39, 28.528, 329.994



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, 81.383, 333.712



55, 99.267, 333.872



39, 65.774, 12.781



36, 6.354, 328.465



36, 72.695, 333.690



3, 16.616, 329.980

Inverse Universe

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



42, 81.383, 333.712



55, 99.267, 333.872



65, 60.358, 156.065



36, 6.354, 328.465



36, 72.695, 333.690



3, 16.616, 329.980

Previews

White Background



This preview shows how the CIELCh color 42, 81.386, 333.712 looks on a white background.

Color Contrast Check

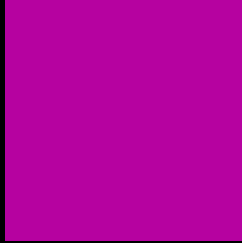
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.386, 333.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

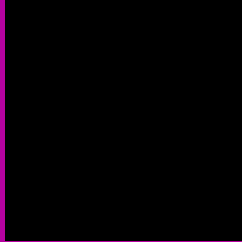
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 81.386, 333.712

Background



This preview shows how black text looks on a background with the CIELCh color 42, 81.386, 333.712.



This preview shows how white text looks on a background with the CIELCh color 42, 81.386, 333.712.

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, 81.386, 333.712

Protanopia

43, 66.119, 287.146

Deuteranopia

43, 29.874, 281.559



Tritanopia
43, 50.226, 25.747

Trichromacy



Original Color
42, 81.386, 333.712



Protanomaly
35, 78.162, 301.457



Deuteranomaly
38, 56.089, 314.463



Tritanomaly
41, 57.583, 358.323

Monochromacy



Original Color
42, 81.386, 333.712



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 41.934, 331.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 81.386, 333.712 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, 2, 160)` looks like.

```
.text, #text, p{  
    color:rgb(182, 2, 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(182, 2, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 2, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 81.386, 333.712 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, 2, 160) }
```

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

```
.border{ border-color:rgb(182, 2, 160) }
```

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

Here you see how a box with a 4 pixel rgb(182, 2, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 2, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 2, 160);  
box-shadow:4px 4px 4px 4px rgb(182, 2,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 81.386, 333.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 2, 160) }
```

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

```
.background{ background-color: rgb(182, 2,  
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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