

Converting Colors

CIELCh(42, 82.272, 327.369)

Have a look what the booklet for
CIELCh(42, 82.272, 327.369)
contains.

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Color

CIELCh(42, 82.452, 327.346)

Conversions

Conversions Part 1

Format	Color
Hex	AB1CAE
RGB	171, 28, 174
RGB Percent	67%, 11%, 68%
CMY	0.3302, 0.8914, 0.3184
CMYK	0.02, 0.84, 0.00, 0.32
HSL	299°, 73%, 40%
HSV	299°, 84%, 68%
XYZ	24.7808, 12.5000, 41.0551
YIQ	87.4010, 38.3620, 75.7220

Conversions

Conversions Part 2

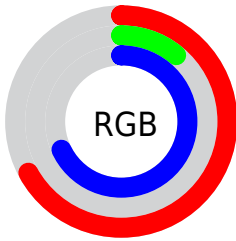
Format	Color
R_{YB}	171, 28, 174
Decimal	11213998
CIE _{Lab}	42.00, 69.42, -44.49
CIE _{LCh}	42, 82.452, 327.346
Yxy	12.5000, 0.3163, 0.1596
Android (android.graphics.Color)	4289404078 (0xFFAB1CAE)
YUV	87.4010, 42.6933, 73.3163
Hunter-Lab	35.3553, 63.2398, -44.0996

Details

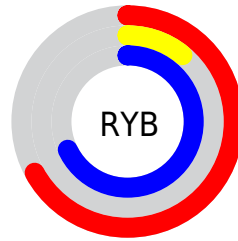
The CIELCh color $42, 82.452, 327.346$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $62, 84.573, 136.687$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 82.318, 327.422$, and $27, 66.780, 326.048$ is the 20% darker color. If you saturate the color by 10%, you get $41, 85.562, 327.413$, and if you desaturate by 10%, it is $44, 77.174, 327.177$.

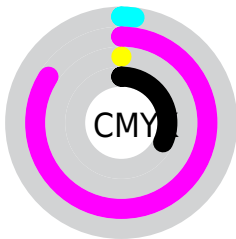
Distribution



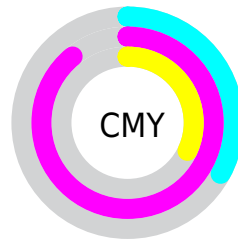
- Red (67%)
- Green (11%)
- Blue (68%)



- Red (67%)
- Yellow (11%)
- Blue (68%)



- Cyan (2%)
- Magenta (84%)
- Yellow (0%)
- Black (32%)




- Cyan (33%)
- Magenta (89%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 82.452, 327.346 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, 82.452, 327.346 by changing the saturation by 10% instead.

 42, 82.452,
327.346

 42, 82.452,
327.346


 100, 82.452,
327.346


 32, 82.452,
327.346

 62, 82.452,
327.346


 22, 82.452,
327.346

 72, 82.452,
327.346

 12, 82.452,
327.346

 82, 82.452,
327.346

 2, 82.452, 327.346

 92, 82.452,
327.346

 0, 82.452, 327.346

 42, 82.452,

 42, 82.452,

327.346

327.346

■ 41, 85.562,
327.413

■ 44, 77.174,
327.177

■ 41, 86.779,
327.423

■ 46, 69.862,
326.910

■ 49, 60.862,
326.556

■ 52, 50.611,
326.132

■ 56, 39.542,
325.657

■ 60, 28.024,
325.149

■ 65, 16.341,
324.620

■ 69, 4.697, 324.059

Harmonies

Complementary

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



42, 82.452, 327.346



62, 84.573, 136.687

Rectangle

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



42, 82.452, 327.346



42, 82.452, 17.346



42, 82.452, 147.346



42, 82.452, 197.346

Sweetspot

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



42, 82.450, 327.346



76, 36.163, 325.220



25, 88.016, 303.645



39, 24.854, 325.397



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 82.450, 327.346



53, 105.919, 327.409



39, 61.473, 353.532



34, 6.548, 324.362



35, 78.031, 327.433



2, 13.722, 323.627

Inverse Universe

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



38, 67.740, 33.865



47, 94.902, 39.346



63, 61.755, 151.028



34, 3.817, 18.240



31, 69.229, 38.623



2, 7.806, 18.005

Previews

White Background



This preview shows how the CIELCh color 42, 82.452, 327.346 looks on a white background.

Color Contrast Check

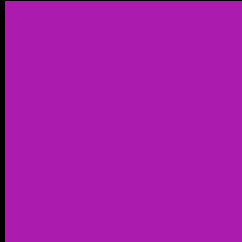
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.452, 327.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

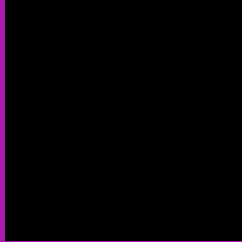
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 82.452, 327.346

Background



This preview shows how black text looks on a background with the CIELCh color 42, 82.452, 327.346.



This preview shows how white text looks on a background with the CIELCh color 42, 82.452, 327.346.

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, 82.452, 327.346

Protanopia
43, 65.082, 286.923

Deuteranopia
43, 38.724, 279.343



Tritanopia
42, 39.876, 21.925

Trichromacy



Original Color
42, 82.452, 327.346



Protanomaly
37, 74.218, 298.790



Deuteranomaly
39, 57.688, 305.720



Tritanomaly
41, 50.489, 350.341

Monochromacy



Original Color
42, 82.452, 327.346



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 38.111, 325.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 82.452, 327.346 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(171, 28, 174)` looks like.

```
.text, #text, p{  
    color:rgb(171, 28, 174)  
}
```

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(171, 28, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 28, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 82.452, 327.346 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(171, 28, 174) }
```

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

```
.border{ border-color:rgb(171, 28, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 28, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 28, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 28, 174);  
box-shadow:4px 4px 4px 4px rgb(171, 28,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 82.452, 327.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 28, 174) }
```

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

```
.background{ background-color: rgb(171, 28,  
174) }
```

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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