

Converting Colors

CIELCh(42, 84.001, 326.828)

Have a look what the booklet for
CIELCh(42, 84.001, 326.828)
contains.

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Color

CIELCh(42, 83.953, 326.926)

Conversions

Conversions Part 1

Format	Color
Hex	AB19B0
RGB	171, 25, 176
RGB Percent	67%, 10%, 69%
CMY	0.3292, 0.9016, 0.3096
CMYK	0.03, 0.86, 0.00, 0.31
HSL	298°, 75%, 39%
HSV	298°, 86%, 69%
XYZ	24.9978, 12.5000, 42.1965
YIQ	85.8680, 38.5450, 77.9130

Conversions

Conversions Part 2

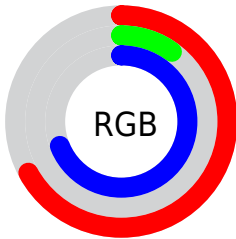
Format	Color
R_{YB}	171, 25, 176
Decimal	11213232
CIE _{Lab}	42.00, 70.35, -45.81
CIE _{LCh}	42, 83.953, 326.926
Yxy	12.5000, 0.3137, 0.1568
Android (android.graphics.Color)	4289403312 (0xFFAB19B0)
YUV	85.8680, 44.4351, 74.6608
Hunter-Lab	35.3553, 64.3356, -46.0137

Details

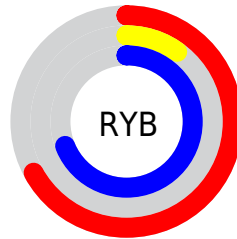
The CIELCh color **42, 83.953, 326.926** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **63, 86.084, 136.462**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 84.072, 327.023**, and **27, 67.645, 325.474** is the 20% darker color. If you saturate the color by 10%, you get **41, 86.780, 326.943**, and if you desaturate by 10%, it is **44, 78.953, 326.800**.

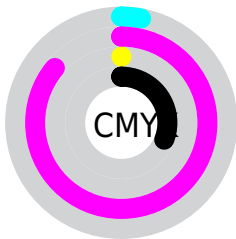
Distribution



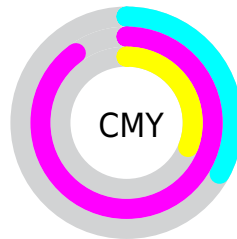
- Red (67%)
- Green (10%)
- Blue (69%)



- Red (67%)
- Yellow (10%)
- Blue (69%)



- Cyan (3%)
- Magenta (86%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (90%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 83.953, 326.926 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, 83.953, 326.926 by changing the saturation by 10% instead.


 42, 83.953,
326.926


 42, 83.953,
326.926


 100, 83.953,
326.926


 32, 83.953,
326.926

 62, 83.953,
326.926


 22, 83.953,
326.926

 72, 83.953,
326.926

 12, 83.953,
326.926

 82, 83.953,
326.926

 2, 83.953, 326.926

 92, 83.953,
326.926

 0, 83.953, 326.926

 42, 83.953,

 42, 83.953,

326.926

■ 41, 86.780,
326.943

■ 41, 87.665,
326.934

326.926

■ 44, 78.953,
326.800

■ 46, 71.857,
326.567

■ 49, 62.995,
326.240

■ 52, 52.809,
325.836

■ 56, 41.744,
325.377

■ 60, 30.183,
324.881

■ 65, 18.425,
324.362

■ 69, 6.683, 323.821

Harmonies

Complementary

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



42, 83.953, 326.926



63, 86.084, 136.462

Rectangle

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



42, 83.953, 326.926



42, 83.953, 16.926



42, 83.953, 146.926



42, 83.953, 196.926

Sweetspot

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



42, 83.951, 326.926



77, 37.818, 324.917



25, 90.454, 303.975



39, 25.590, 325.087



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, 83.951, 326.926



53, 106.888, 326.912



40, 62.536, 354.026



35, 6.682, 324.021



35, 79.049, 326.949



2, 16.001, 323.084

Inverse Universe

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



38, 69.161, 33.812



48, 95.229, 38.975



63, 63.223, 150.667



35, 3.911, 17.231



31, 69.702, 38.192



2, 9.167, 17.277

Previews

White Background



This preview shows how the CIELCh color 42, 83.953, 326.926 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, 83.953, 326.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

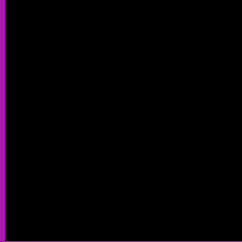
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 83.953, 326.926

Background



This preview shows how black text looks on a background with the CIELCh color 42, 83.953, 326.926.



This preview shows how white text looks on a background with the CIELCh color 42, 83.953, 326.926.

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, 83.953, 326.926

Protanopia

43, 65.082, 286.923

Deuteranopia

43, 39.969, 279.260



Tritanopia
42, 39.876, 21.925

Trichromacy



Original Color
42, 83.953, 326.926



Protanomaly
37, 74.861, 299.066



Deuteranomaly
38, 59.458, 305.312



Tritanomaly
41, 51.168, 349.563

Monochromacy



Original Color
42, 83.953, 326.926



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 38.777, 325.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 83.953, 326.926 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, 25, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 25, 176)  
}
```

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, 25, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 25, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 83.953, 326.926 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, 25, 176) }
```

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

```
.border{ border-color:rgb(171, 25, 176) }
```

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

Here you see how a box with a 4 pixel rgb(171, 25, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 25, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 25, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 25,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 83.953, 326.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 25, 176) }
```

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

```
.background{ background-color: rgb(171, 25,  
176) }
```

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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