

Converting Colors

CIELCh(42, 93.556, 324.761)

Have a look what the booklet for
CIELCh(42, 93.556, 324.761)
contains.

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Color

CIELCh(42, 93.163, 324.748)

Conversions

Conversions Part 1

Format	Color
Hex	AD00BE
RGB	173, 0, 190
RGB Percent	68%, 0%, 75%
CMY	0.3234, 1.0000, 0.2566
CMYK	0.09, 1.00, 0.00, 0.26
HSL	295°, 100%, 37%
HSV	295°, 100%, 74%
XYZ	26.3631, 12.5000, 49.4875
YIQ	73.3870, 42.1180, 95.7660

Conversions

Conversions Part 2

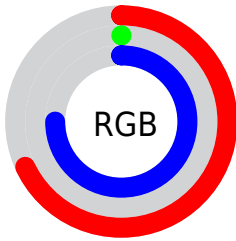
Format	Color
RYB	173, 0, 190
Decimal	11337918
CIELab	42.00, 76.08, -53.77
CIELCh	42, 93.163, 324.748
Yxy	12.5000, 0.2984, 0.1415
Android (android.graphics.Color)	4289527998 (0xFFAD00BE)
YUV	73.3870, 57.4902, 87.3606
Hunter-Lab	35.3553, 71.2287, -58.2405

Details

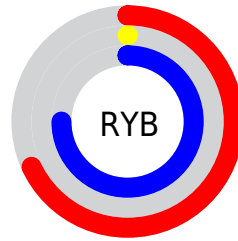
The CIELCh color **42, 93.163, 324.748** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **67, 95.325, 135.625**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 93.018, 324.682**, and **28, 73.324, 322.475** is the 20% darker color. If you saturate the color by 10%, you get **42, 93.005, 324.737**, and if you desaturate by 10%, it is **43, 90.583, 324.913**.

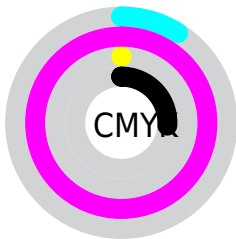
Distribution



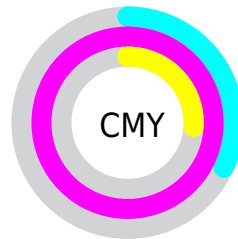
- Red (68%)
- Green (0%)
- Blue (75%)



- Red (68%)
- Yellow (0%)
- Blue (75%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (32%)
- Magenta (100%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 93.163, 324.748 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, 93.163, 324.748 by changing the saturation by 10% instead.

 42, 93.163,
324.748


 42, 93.163,
324.748

 100, 93.163,
324.748


 32, 93.163,
324.748

 62, 93.163,
324.748


 22, 93.163,
324.748

 72, 93.163,
324.748

 12, 93.163,
324.748

 82, 93.163,
324.748

 2, 93.163, 324.748

 92, 93.163,
324.748

 0, 93.163, 324.748

 42, 93.163,

 42, 93.163,

324.748

324.748

■ 42, 93.005,
324.737

■ 43, 90.583,
324.913

■ 45, 86.142,
324.960

■ 47, 79.361,
324.861

■ 50, 70.555,
324.634

■ 54, 60.202,
324.305

■ 58, 48.800,
323.902

■ 62, 36.785,
323.449

■ 67, 24.498,
322.967

■ 72, 12.184,
322.469

Harmonies

Complementary

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



42, 93.163, 324.748



67, 95.325, 135.625

Rectangle

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



42, 93.163, 324.748



42, 93.163, 14.748



42, 93.163, 144.748



42, 93.163, 194.748

Sweetspot

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



42, 93.005, 324.737



79, 45.655, 323.472



24, 102.169, 304.985



40, 31.357, 323.669



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 93.005, 324.737



55, 113.600, 324.681



41, 69.904, 352.958



37, 6.876, 322.436



35, 81.308, 324.783



3, 20.524, 321.524

Inverse Universe

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



39, 79.900, 36.430



52, 98.386, 37.107



67, 78.472, 144.612



37, 4.118, 12.666



33, 69.356, 35.819



3, 12.316, 14.244

Previews

White Background



This preview shows how the CIELCh color 42, 93.163, 324.748 looks on a white background.

Color Contrast Check

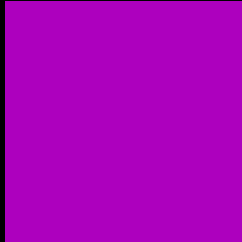
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.163, 324.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

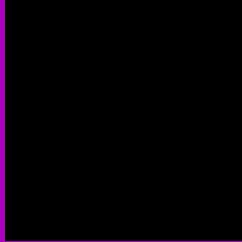
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 93.163, 324.748

Background



This preview shows how black text looks on a background with the CIELCh color 42, 93.163, 324.748.



This preview shows how white text looks on a background with the CIELCh color 42, 93.163, 324.748.

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, 93.163, 324.748

Protanopia

43, 65.566, 286.929

Deuteranopia

43, 46.244, 277.881



Tritanopia
43, 38.422, 21.413

Trichromacy



Original Color
42, 93.163, 324.748



Protanomaly
35, 84.315, 301.704



Deuteranomaly
36, 70.805, 303.581



Tritanomaly
40, 56.129, 345.154

Monochromacy



Original Color
42, 93.163, 324.748



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 47.247, 324.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 93.163, 324.748 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(173, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 190)  
}
```

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(173, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 93.163, 324.748 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(173, 0, 190) }
```

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

```
.border{ border-color:rgb(173, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 93.163, 324.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 190) }
```

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

```
.background{ background-color: rgb(173, 0,  
190) }
```

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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