

Converting Colors

CIELCh(41, 84.062, 330.369)

Have a look what the booklet for
CIELCh(41, 84.062, 330.369)
contains.

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Color

CIELCh(41, 83.709, 330.380)

Conversions

Conversions Part 1

Format	Color
Hex	AF00A6
RGB	175, 0, 166
RGB Percent	69%, 0%, 65%
CMY	0.3138, 1.0000, 0.3491
CMYK	0.00, 1.00, 0.05, 0.31
HSL	303°, 100%, 34%
HSV	303°, 100%, 69%
XYZ	24.5580, 11.8645, 37.0664
YIQ	71.2490, 51.0140, 88.7260

Conversions

Conversions Part 2

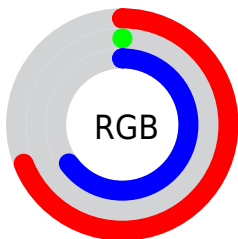
Format	Color
R_{YB}	175, 0, 166
Decimal	11468966
CIE _{Lab}	41.00, 72.77, -41.37
CIE _{LCh}	41, 83.709, 330.380
Yxy	11.8645, 0.3342, 0.1614
Android (android.graphics.Color)	4289659046 (0xFFAF00A6)
YUV	71.2490, 46.7122, 90.9896
Hunter-Lab	34.4449, 66.9852, -39.6909

Details

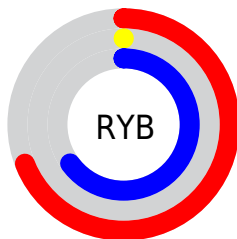
The CIELCh color **41, 83.709, 330.380** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **62, 89.341, 136.460**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 83.691, 330.239**, and **27, 63.337, 329.921** is the 20% darker color. If you saturate the color by 10%, you get **41, 83.705, 330.380**, and if you desaturate by 10%, it is **42, 81.837, 330.115**.

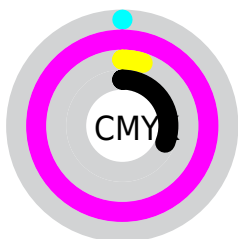
Distribution



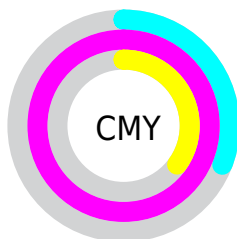
- Red (69%)
- Green (0%)
- Blue (65%)



- Red (69%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (31%)




- Cyan (31%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 83.709, 330.380 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 41, 83.709, 330.380 by changing the saturation by 10% instead.


 41, 83.709,
330.380


 41, 83.709,
330.380


 100, 83.709,
330.380


 31, 83.709,
330.380


 61, 83.709,
330.380


 21, 83.709,
330.380

 71, 83.709,
330.380


 11, 83.709,
330.380


 81, 83.709,
330.380

 1, 83.709, 330.380

 91, 83.709,
330.380

 0, 83.709, 330.380

 41, 83.709,

 41, 83.709,

330.380

330.380

■ 41, 83.705,
330.380

■ 42, 81.837,
330.115

■ 43, 78.196,
329.808

■ 45, 72.400,
329.445

■ 47, 64.676,
329.026

■ 51, 55.422,
328.555

■ 54, 45.087,
328.044

■ 58, 34.082,
327.505

■ 62, 22.746,
326.948

■ 67, 11.329,
326.380

Harmonies

Complementary

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



41, 83.709, 330.380



62, 89.341, 136.460

Rectangle

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



41, 83.709, 330.380



41, 83.709, 20.380



41, 83.709, 150.380



41, 83.709, 200.380

Sweetspot

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



41, 83.705, 330.380



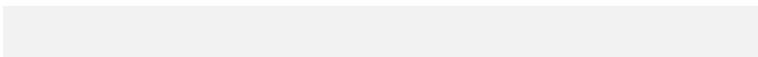
74, 42.098, 327.533



21, 100.635, 306.445



37, 28.881, 327.758



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 83.705, 330.380



53, 101.585, 330.419



37, 63.653, 6.600



34, 6.364, 326.340



35, 74.928, 330.353



2, 13.163, 326.522

Inverse Universe

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



41, 83.705, 330.380



53, 101.585, 330.419



63, 63.530, 151.901



34, 6.364, 326.340



35, 74.928, 330.353



2, 13.163, 326.522

Previews

White Background



This preview shows how the CIELCh color 41, 83.709, 330.380 looks on a white background.

Color Contrast Check

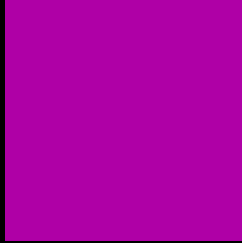
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 83.709, 330.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

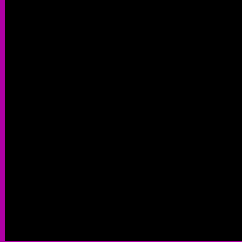
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 83.709, 330.380

Background



This preview shows how black text looks on a background with the CIELCh color 41, 83.709, 330.380.



This preview shows how white text looks on a background with the CIELCh color 41, 83.709, 330.380.

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

41, 83.709, 330.380

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 35.032, 280.269



Tritanopia
42, 45.774, 24.594

Trichromacy



Original Color
41, 83.709, 330.380



Protanomaly
34, 78.914, 301.631



Deuteranomaly
36, 60.324, 310.717



Tritanomaly
40, 56.221, 354.378

Monochromacy



Original Color
41, 83.709, 330.380



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 43.615, 328.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 83.709, 330.380 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(175, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 166)  
}
```

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(175, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 83.709, 330.380 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(175, 0, 166) }
```

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

```
.border{ border-color:rgb(175, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 83.709, 330.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 166) }
```

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

```
.background{ background-color: rgb(175, 0,  
166) }
```

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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