

Converting Colors

CIELCh(41, 83.561, 324.883)

Have a look what the booklet for
CIELCh(41, 83.561, 324.883)
contains.

CIELCh(41, 83.476, 324.798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 83.476, 324.798)

Conversions

Conversions Part 1

Format	Color
Hex	A31DB1
RGB	163, 29, 177
RGB Percent	64%, 11%, 69%
CMY	0.3603, 0.8856, 0.3054
CMYK	0.08, 0.84, 0.00, 0.31
HSL	294°, 72%, 40%
HSV	294°, 84%, 69%
XYZ	23.5181, 11.8645, 42.7034
YIQ	85.9380, 32.3560, 74.4360

Conversions

Conversions Part 2

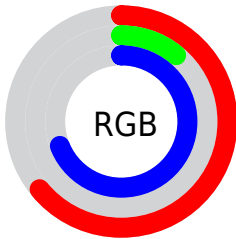
Format	Color
R_{YB}	163, 29, 177
Decimal	10689969
CIE _{Lab}	41.00, 68.21, -48.12
CIE _{LCh}	41, 83.476, 324.798
Yxy	11.8645, 0.3012, 0.1519
Android (android.graphics.Color)	4288880049 (0xFFA31DB1)
YUV	85.9380, 44.8936, 67.5834
Hunter-Lab	34.4449, 61.5965, -49.3938

Details

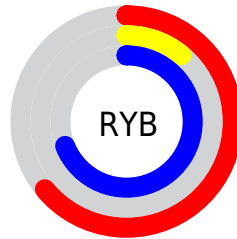
The CIELCh color **41, 83.476, 324.798** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **63, 84.614, 135.913**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 83.370, 324.786**, and **25, 68.057, 323.104** is the 20% darker color. If you saturate the color by 10%, you get **40, 86.993, 324.693**, and if you desaturate by 10%, it is **43, 77.712, 324.751**.

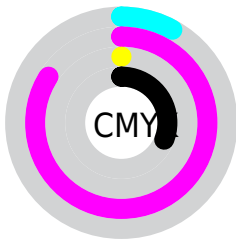
Distribution



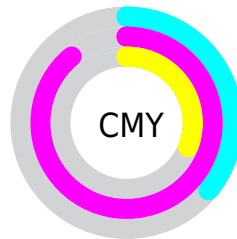
- Red (64%)
- Green (11%)
- Blue (69%)



- Red (64%)
- Yellow (11%)
- Blue (69%)



- Cyan (8%)
- Magenta (84%)
- Yellow (0%)
- Black (31%)





- Cyan (36%)
- Magenta (89%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 83.476, 324.798 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, 83.476, 324.798 by changing the saturation by 10% instead.


 41, 83.476,
324.798


 41, 83.476,
324.798


 100, 83.476,
324.798


 31, 83.476,
324.798

 61, 83.476,
324.798


 21, 83.476,
324.798

 71, 83.476,
324.798


 11, 83.476,
324.798


 81, 83.476,
324.798

 1, 83.476, 324.798

 91, 83.476,
324.798

 0, 83.476, 324.798

 41, 83.476,

 41, 83.476,

324.798

324.798

■ 40, 86.993,
324.693

■ 43, 77.712,
324.751

■ 39, 88.462,
324.571

■ 46, 69.928,
324.568

■ 49, 60.542,
324.274

■ 53, 50.026,
323.897

■ 57, 38.814,
323.462

■ 61, 27.254,
322.993

■ 66, 15.604,
322.504

■ 71, 4.040, 321.982

Harmonies

Complementary

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



41, 83.476, 324.798



63, 84.614, 135.913

Rectangle

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



41, 83.476, 324.798



41, 83.476, 14.798



41, 83.476, 144.798



41, 83.476, 194.798

Sweetspot

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



41, 83.474, 324.798



77, 35.766, 323.084



27, 83.346, 301.668



39, 24.378, 323.246



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, 83.474, 324.798



51, 107.394, 324.510



40, 64.127, 348.527



35, 6.558, 322.295



33, 79.408, 324.612



2, 15.560, 320.563

Inverse Universe

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



39, 65.438, 28.975



48, 92.532, 36.719



64, 66.336, 148.126



35, 3.935, 12.274



31, 67.413, 35.443



2, 9.220, 13.348

Previews

White Background



This preview shows how the CIELCh color 41, 83.476, 324.798 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, 83.476, 324.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

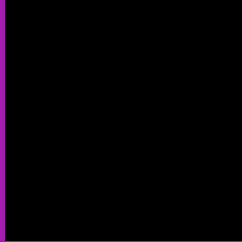
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 83.476, 324.798

Background



This preview shows how black text looks on a background with the CIELCh color 41, 83.476, 324.798.



This preview shows how white text looks on a background with the CIELCh color 41, 83.476, 324.798.

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, 83.476, 324.798

Protanopia

41, 64.183, 287.130

Deuteranopia

42, 42.136, 278.293



Tritanopia
41, 35.398, 20.572

Trichromacy



Original Color
41, 83.476, 324.798



Protanomaly
36, 74.454, 298.829



Deuteranomaly
38, 59.397, 302.332



Tritanomaly
40, 48.323, 345.879

Monochromacy



Original Color
41, 83.476, 324.798



Achromatopsia
37, 0.005, 296.813



Achromatomaly
35, 37.681, 323.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 83.476, 324.798 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(163, 29, 177)` looks like.

```
.text, #text, p{  
    color:rgb(163, 29, 177)  
}
```

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(163, 29, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 29, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 83.476, 324.798 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(163, 29, 177) }
```

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

```
.border{ border-color:rgb(163, 29, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 29, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 29, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 29, 177); box-shadow:4px 4px 4px 4px rgb(163, 29, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 83.476, 324.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 29, 177) }
```

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

```
.background{ background-color: rgb(163, 29,  
177) }
```

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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