

Converting Colors

CIELCh(41, 78.624, 336.047)

Have a look what the booklet for
CIELCh(41, 78.624, 336.047)
contains.

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Color

CIELCh(41, 78.148, 336.177)

Conversions

Conversions Part 1

Format	Color
Hex	B40096
RGB	180, 0, 150
RGB Percent	71%, 0%, 59%
CMY	0.2949, 1.0000, 0.4124
CMYK	0.00, 1.00, 0.17, 0.29
HSL	310°, 100%, 35%
HSV	310°, 100%, 71%
XYZ	24.2629, 11.8645, 29.7923
YIQ	70.9200, 59.1300, 84.8100

Conversions

Conversions Part 2

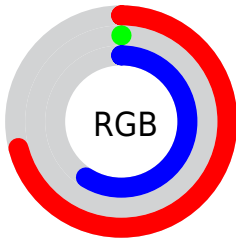
Format	Color
R_{YB}	180, 0, 150
Decimal	11796630
CIE _{Lab}	41.00, 71.49, -31.56
CIE _{LCh}	41, 78.148, 336.177
Yxy	11.8645, 0.3681, 0.1800
Android (android.graphics.Color)	4289986710 (0xFFB40096)
YUV	70.9200, 38.9864, 95.6632
Hunter-Lab	34.4449, 65.4562, -27.1700

Details

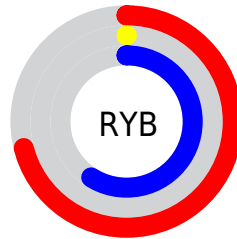
The CIELCh color **41, 78.148, 336.177** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **64, 87.964, 137.940**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.276, 336.147**, and **27, 58.130, 337.075** is the 20% darker color. If you saturate the color by 10%, you get **41, 78.082, 336.181**, and if you desaturate by 10%, it is **42, 76.823, 335.353**.

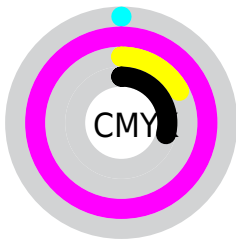
Distribution



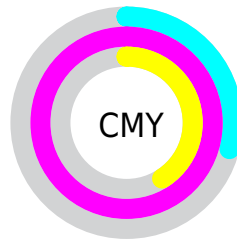
- Red (71%)
- Green (0%)
- Blue (59%)



- Red (71%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 78.148, 336.177 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, 78.148, 336.177 by changing the saturation by 10% instead.


 41, 78.148,
336.177


 41, 78.148,
336.177


 100, 78.148,
336.177


 31, 78.148,
336.177

 61, 78.148,
336.177


 21, 78.148,
336.177

 71, 78.148,
336.177

 11, 78.148,
336.177

 81, 78.148,
336.177

 1, 78.148, 336.177

 91, 78.148,
336.177

 0, 78.148, 336.177

 41, 78.148,

 41, 78.148,

336.177

336.177

■ 41, 78.082,
336.181

■ 42, 76.823,
335.353

■ 43, 73.722,
334.590

■ 45, 68.419,
333.879

■ 48, 61.178,
333.198

■ 51, 52.427,
332.532

■ 55, 42.630,
331.877

■ 59, 32.202,
331.231

■ 64, 21.476,
330.595

■ 68, 10.690,
329.966

Harmonies

Complementary

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



41, 78.148, 336.177



64, 87.964, 137.940

Rectangle

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



41, 78.148, 336.177



41, 78.148, 26.177



41, 78.148, 156.177



41, 78.148, 206.177

Sweetspot

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



41, 78.082, 336.181



76, 39.967, 331.264



22, 101.774, 307.011



38, 27.186, 331.531



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



41, 78.082, 336.181



54, 95.082, 336.344



38, 66.458, 17.923



35, 6.015, 329.923



35, 69.426, 336.063



2, 13.748, 331.928

Inverse Universe

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



41, 78.082, 336.181



54, 95.082, 336.344



65, 56.606, 159.357



35, 6.015, 329.923



35, 69.426, 336.063



2, 13.748, 331.928

Previews

White Background



This preview shows how the CIELCh color 41, 78.148, 336.177 looks on a white background.

Color Contrast Check

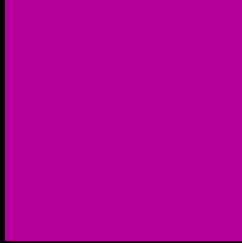
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.148, 336.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

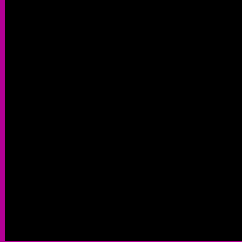
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 78.148, 336.177

Background



This preview shows how black text looks on a background with the CIELCh color 41, 78.148, 336.177.



This preview shows how white text looks on a background with the CIELCh color 41, 78.148, 336.177.

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, 78.148, 336.177

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 26.195, 283.713



Tritanopia
42, 52.018, 27.046

Trichromacy



Original Color
41, 78.148, 336.177



Protanomaly
34, 75.574, 301.539



Deuteranomaly
37, 52.812, 317.832



Tritanomaly
40, 57.563, 1.631

Monochromacy



Original Color
41, 78.148, 336.177



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 41.272, 332.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 78.148, 336.177 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(180, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 150)  
}
```

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(180, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 78.148, 336.177 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(180, 0, 150) }
```

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

```
.border{ border-color:rgb(180, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 78.148, 336.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 150) }
```

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

```
.background{ background-color: rgb(180, 0,  
150) }
```

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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