

Converting Colors

CIELCh(41, 87.535, 327.735)

Have a look what the booklet for
CIELCh(41, 87.535, 327.735)
contains.

CIELCh(41, 87.180, 327.783)	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, 87.180, 327.783)

Conversions

Conversions Part 1

Format	Color
Hex	AC00AE
RGB	172, 0, 174
RGB Percent	67%, 0%, 68%
CMY	0.3237, 1.0000, 0.3157
CMYK	0.01, 1.00, 0.00, 0.32
HSL	299°, 100%, 34%
HSV	299°, 100%, 68%
XYZ	24.7870, 11.8645, 41.2820
YIQ	71.2640, 46.6580, 90.5780

Conversions

Conversions Part 2

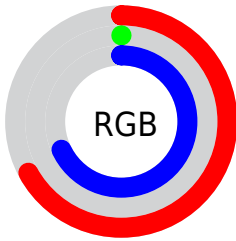
Format	Color
RYB	172, 0, 174
Decimal	11272366
CIELab	41.00, 73.76, -46.48
CIELCh	41, 87.180, 327.783
Yxy	11.8645, 0.3181, 0.1522
Android (android.graphics.Color)	4289462446 (0xFFAC00AE)
YUV	71.2640, 50.6488, 88.3455
Hunter-Lab	34.4449, 68.1724, -46.9472

Details

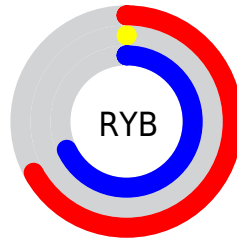
The CIELCh color $41, 87.180, 327.783$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $62, 90.058, 135.964$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 86.549, 327.780$, and $27, 66.743, 326.357$ is the 20% darker color. If you saturate the color by 10%, you get $41, 86.995, 327.775$, and if you desaturate by 10%, it is $42, 84.794, 327.724$.

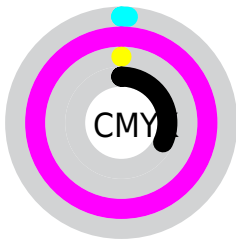
Distribution



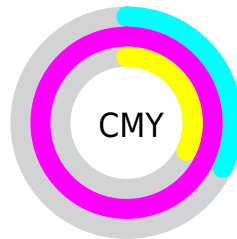
- Red (67%)
- Green (0%)
- Blue (68%)



- Red (67%)
- Yellow (0%)
- Blue (68%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 87.180, 327.783 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, 87.180, 327.783 by changing the saturation by 10% instead.


 41, 87.180,
327.783


 41, 87.180,
327.783


 100, 87.180,
327.783


 31, 87.180,
327.783

 61, 87.180,
327.783


 21, 87.180,
327.783

 71, 87.180,
327.783


 11, 87.180,
327.783


 81, 87.180,
327.783

 1, 87.180, 327.783

 91, 87.180,
327.783

 0, 87.180, 327.783

 41, 87.180,

 41, 87.180,

327.783

327.783

■ 41, 86.995,
327.775

■ 42, 84.794,
327.724

■ 43, 80.830,
327.595

■ 45, 74.714,
327.370

■ 47, 66.671,
327.054

■ 51, 57.095,
326.661

■ 54, 46.430,
326.208

■ 58, 35.091,
325.711

■ 62, 23.418,
325.187

■ 67, 11.664,
324.646

Harmonies

Complementary

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



41, 87.180, 327.783



62, 90.058, 135.964

Rectangle

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



41, 87.180, 327.783



41, 87.180, 17.783



41, 87.180, 147.783



41, 87.180, 197.783

Sweetspot

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



41, 86.995, 327.775



74, 43.444, 325.738



21, 99.897, 306.072



37, 29.806, 325.947



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, 86.995, 327.775



53, 105.874, 327.767



37, 63.989, 0.237



34, 6.567, 324.607



35, 77.998, 327.780



2, 13.780, 323.981

Inverse Universe

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



36, 78.106, 39.466



47, 95.267, 39.628



63, 68.002, 148.426



34, 3.817, 18.967



31, 69.555, 38.984



2, 7.804, 18.615

Previews

White Background



This preview shows how the CIELCh color 41, 87.180, 327.783 looks on a white background.

Color Contrast Check

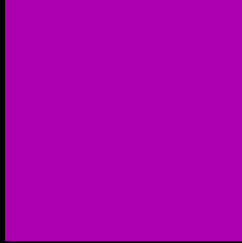
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.180, 327.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

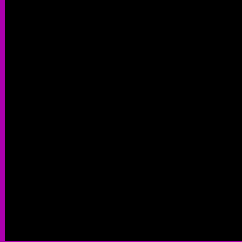
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 87.180, 327.783

Background



This preview shows how black text looks on a background with the CIELCh color 41, 87.180, 327.783.



This preview shows how white text looks on a background with the CIELCh color 41, 87.180, 327.783.

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, 86.811, 327.780

Protanopia

42, 64.042, 286.692

Deuteranopia

42, 39.467, 278.982



Tritanopia
42, 41.987, 23.420

Trichromacy



Original Color
41, 86.811, 327.780



Protanomaly
34, 80.039, 301.585



Deuteranomaly
36, 64.078, 307.573



Tritanomaly
39, 55.341, 350.022

Monochromacy



Original Color
41, 86.811, 327.780



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 44.885, 326.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 87.180, 327.783 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(172, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 174)  
}
```

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(172, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 87.180, 327.783 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(172, 0, 174) }
```

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

```
.border{ border-color:rgb(172, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(172, 0,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 87.180, 327.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 174) }
```

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

```
.background{ background-color: rgb(172, 0,  
174) }
```

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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