

Converting Colors

CIELCh(41, 81.252, 333.055)

Have a look what the booklet for
CIELCh(41, 81.252, 333.055)
contains.

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Color

CIELCh(41, 80.822, 333.263)

Conversions

Conversions Part 1

Format	Color
Hex	B2009E
RGB	178, 0, 158
RGB Percent	70%, 0%, 62%
CMY	0.3032, 1.0000, 0.3815
CMYK	0.00, 1.00, 0.11, 0.30
HSL	307°, 100%, 35%
HSV	307°, 100%, 70%
XYZ	24.4218, 11.8645, 33.2175
YIQ	71.2340, 55.3700, 86.8740

Conversions

Conversions Part 2

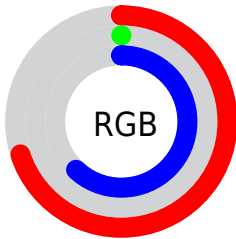
Format	Color
R_{YB}	178, 0, 158
Decimal	11665566
CIE _{Lab}	41.00, 72.18, -36.36
CIE _{LCh}	41, 80.822, 333.263
Yxy	11.8645, 0.3514, 0.1707
Android (android.graphics.Color)	4289855646 (0xFFB2009E)
YUV	71.2340, 42.7756, 93.6338
Hunter-Lab	34.4449, 66.2798, -33.0657

Details

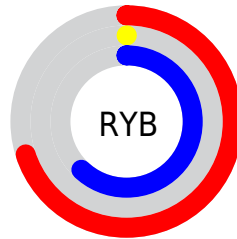
The CIELCh color **41, 80.822, 333.263** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **63, 88.972, 137.098**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.677, 333.194**, and **27, 60.601, 333.280** is the 20% darker color. If you saturate the color by 10%, you get **41, 80.711, 333.265**, and if you desaturate by 10%, it is **42, 79.183, 332.733**.

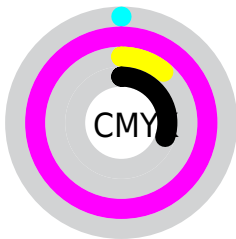
Distribution



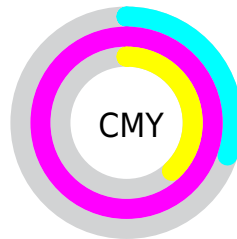
- Red (70%)
- Green (0%)
- Blue (62%)



- Red (70%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 80.822, 333.263 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, 80.822, 333.263 by changing the saturation by 10% instead.


 41, 80.822,
333.263


 41, 80.822,
333.263


 100, 80.822,
333.263


 31, 80.822,
333.263

 61, 80.822,
333.263


 21, 80.822,
333.263

 71, 80.822,
333.263


 11, 80.822,
333.263


 81, 80.822,
333.263

 1, 80.822, 333.263

 91, 80.822,
333.263

 0, 80.822, 333.263

 41, 80.822,

 41, 80.822,

333.263

333.263

■ 41, 80.711,
333.265

■ 42, 79.183,
332.733

■ 43, 75.841,
332.207

■ 45, 70.312,
331.677

■ 48, 62.847,
331.130

■ 51, 53.860,
330.565

■ 55, 43.807,
329.984

■ 59, 33.105,
329.393

■ 63, 22.086,
328.799

■ 68, 10.997,
328.202

Harmonies

Complementary

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



41, 80.822, 333.263



63, 88.972, 137.098

Rectangle

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



41, 80.822, 333.263



41, 80.822, 23.263



41, 80.822, 153.263



41, 80.822, 203.263

Sweetspot

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



41, 80.711, 333.265



75, 41.121, 329.425



21, 101.479, 306.628



38, 28.215, 329.672



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, 80.711, 333.265



54, 98.406, 333.364



38, 64.652, 11.507



35, 6.249, 328.161



35, 72.360, 333.199



2, 14.496, 329.343

Inverse Universe

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



41, 80.711, 333.265



54, 98.406, 333.364



64, 60.752, 154.846



35, 6.249, 328.161



35, 72.360, 333.199



2, 14.496, 329.343

Previews

White Background



This preview shows how the CIELCh color 41, 80.822, 333.263 looks on a white background.

Color Contrast Check

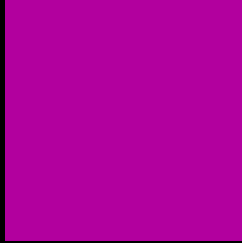
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.822, 333.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

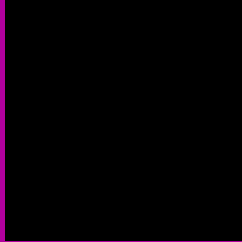
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 80.822, 333.263

Background



This preview shows how black text looks on a background with the CIELCh color 41, 80.822, 333.263.



This preview shows how white text looks on a background with the CIELCh color 41, 80.822, 333.263.

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, 80.822, 333.263

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 30.018, 281.163



Tritanopia
42, 49.021, 25.565

Trichromacy



Original Color
41, 80.822, 333.263



Protanomaly
34, 77.233, 301.649



Deuteranomaly
37, 56.162, 314.146



Tritanomaly
40, 56.929, 357.946

Monochromacy



Original Color
41, 80.822, 333.263



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 42.408, 330.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 80.822, 333.263 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(178, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 158)  
}
```

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(178, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 80.822, 333.263 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(178, 0, 158) }
```

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

```
.border{ border-color:rgb(178, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 80.822, 333.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 158) }
```

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

```
.background{ background-color: rgb(178, 0,  
158) }
```

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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