

Converting Colors

CIELCh(40, 85.683, 327.416)

Have a look what the booklet for
CIELCh(40, 85.683, 327.416)
contains.

CIELCh(40, 85.604, 327.538)	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(40, 85.604, 327.538)

Conversions

Conversions Part 1

Format	Color
Hex	A801AB
RGB	168, 1, 171
RGB Percent	66%, 0%, 67%
CMY	0.3418, 0.9979, 0.3300
CMYK	0.02, 1.00, 0.00, 0.33
HSL	299°, 99%, 34%
HSV	299°, 100%, 67%
XYZ	23.4524, 11.2510, 39.3826
YIQ	70.3130, 44.9620, 88.2740

Conversions

Conversions Part 2

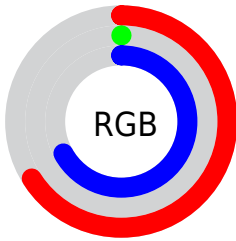
Format	Color
RYB	168, 1, 171
Decimal	11010475
CIELab	40.00, 72.23, -45.95
CIELCh	40, 85.604, 327.538
Yxy	11.2510, 0.3166, 0.1519
Android (android.graphics.Color)	4289200555 (0xFFA801AB)
YUV	70.3130, 49.6387, 85.6715
Hunter-Lab	33.5425, 66.1053, -46.1333

Details

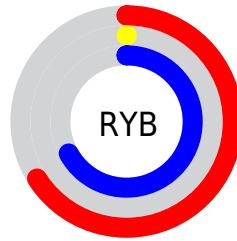
The CIELCh color **40, 85.604, 327.538** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **61, 88.546, 135.949**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 85.532, 327.560**, and **26, 65.596, 325.999** is the 20% darker color. If you saturate the color by 10%, you get **40, 85.666, 327.539**, and if you desaturate by 10%, it is **41, 83.353, 327.501**.

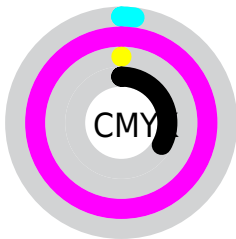
Distribution



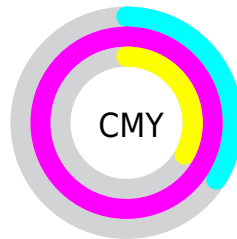
- Red (66%)
- Green (0%)
- Blue (67%)



- Red (66%)
- Yellow (0%)
- Blue (67%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (34%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 85.604, 327.538 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 40, 85.604, 327.538 by changing the saturation by 10% instead.


 40, 85.604,
327.538


 40, 85.604,
327.538


 100, 85.604,
327.538


 30, 85.604,
327.538

 60, 85.604,
327.538


 20, 85.604,
327.538


 70, 85.604,
327.538


 10, 85.604,
327.538

 80, 85.604,
327.538


 0, 85.604, 327.538

 90, 85.604,
327.538


 40, 85.604,

 40, 85.604,

327.538


 40, 85.666,
327.539


327.538


 41, 83.353,
327.501


 42, 79.341,
327.383


 44, 73.221,
327.164

 46, 65.228,
326.853

 50, 55.756,
326.463

 53, 45.241,
326.013

 57, 34.088,
325.520

 61, 22.622,
325.000

■ 66, 11.090,
324.463

Harmonies

Complementary

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



40, 85.604, 327.538



61, 88.546, 135.949

Rectangle

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



40, 85.604, 327.538



40, 85.604, 17.538



40, 85.604, 147.538



40, 85.604, 197.538

Sweetspot

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



40, 85.602, 327.538



72, 42.582, 325.563



20, 97.389, 305.818



36, 29.219, 325.768



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 85.602, 327.538



52, 104.107, 327.527



37, 63.222, 358.517



33, 6.394, 324.440



34, 77.050, 327.547



2, 11.580, 323.774

Inverse Universe

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



35, 76.423, 39.093



46, 93.387, 39.421



61, 67.878, 147.736



33, 3.723, 18.475



30, 68.393, 38.656



1, 6.576, 18.138

Previews

White Background



This preview shows how the CIELCh color 40, 85.604, 327.538 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 CIE LCh color 40, 85.604, 327.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

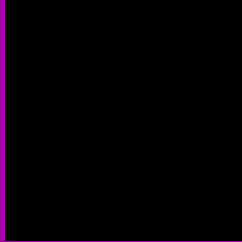
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 85.604, 327.538

Background



This preview shows how black text looks on a background with the CIELCh color 40, 85.604, 327.538.



This preview shows how white text looks on a background with the CIELCh color 40, 85.604, 327.538.

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

40, 85.604, 327.538

Protanopia

41, 63.139, 286.898

Deuteranopia

41, 39.621, 279.350



Tritanopia

41, 41.107, 22.562

Trichromacy



Original Color
40, 85.604, 327.538



Protanomaly
33, 78.597, 301.611



Deuteranomaly
35, 63.694, 307.182



Tritanomaly
39, 54.404, 349.620

Monochromacy



Original Color
40, 85.604, 327.538



Achromatopsia
30, 0.005, 296.813



Achromatomaly
29, 43.726, 326.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 85.604, 327.538 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(168, 1, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 1, 171)  
}
```

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(168, 1, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 1, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 85.604, 327.538 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(168, 1, 171) }
```

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

```
.border{ border-color:rgb(168, 1, 171) }
```

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

Here you see how a box with a 4 pixel rgb(168, 1, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 1, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 1, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 1,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 85.604, 327.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 1, 171) }
```

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

```
.background{ background-color: rgb(168, 1,  
171) }
```

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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