

Converting Colors

CIELCh(40, 86.291, 327.160)

Have a look what the booklet for
CIELCh(40, 86.291, 327.160)
contains.

CIELCh(40, 86.120, 327.320)	3
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Color

CIELCh(40, 86.120, 327.320)

Conversions

Conversions Part 1

Format	Color
Hex	A800AC
RGB	168, 0, 172
RGB Percent	66%, 0%, 67%
CMY	0.3422, 1.0000, 0.3264
CMYK	0.02, 1.00, 0.00, 0.33
HSL	299°, 100%, 34%
HSV	299°, 100%, 67%
XYZ	23.5106, 11.2510, 39.8429
YIQ	69.8400, 44.9160, 89.1080

Conversions

Conversions Part 2

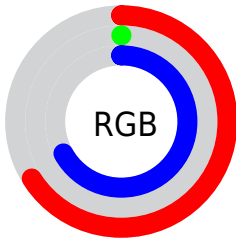
Format	Color
RYB	168, 0, 172
Decimal	11010220
CIELab	40.00, 72.49, -46.50
CIELCh	40, 86.120, 327.320
Yxy	11.2510, 0.3151, 0.1508
Android (android.graphics.Color)	4289200300 (0xFFA800AC)
YUV	69.8400, 50.3649, 86.0863
Hunter-Lab	33.5425, 66.4148, -46.9470

Details

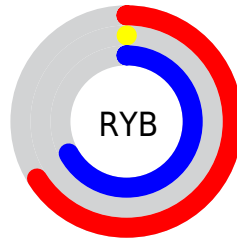
The CIELCh color $40, 86.120, 327.320$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $61, 88.946, 135.910$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 85.930, 327.347$, and $26, 66.031, 325.703$ is the 20% darker color. If you saturate the color by 10%, you get $40, 86.033, 327.316$, and if you desaturate by 10%, it is $41, 83.796, 327.297$.

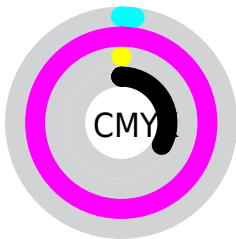
Distribution



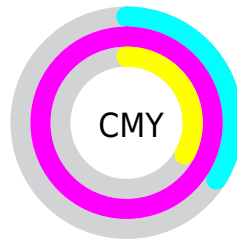
- Red (66%)
- Green (0%)
- Blue (67%)



- 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, 86.120, 327.320 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, 86.120, 327.320 by changing the saturation by 10% instead.


 40, 86.120,
327.320


 40, 86.120,
327.320


 100, 86.120,
327.320


 30, 86.120,
327.320

 60, 86.120,
327.320


 20, 86.120,
327.320

 70, 86.120,
327.320


 10, 86.120,
327.320

 80, 86.120,
327.320

 0, 86.120, 327.320

 90, 86.120,
327.320

 40, 86.120,

 40, 86.120,

327.320

327.320

■ 40, 86.033,
327.316

■ 41, 83.796,
327.297

■ 42, 79.820,
327.195

■ 44, 73.721,
326.989

■ 47, 65.732,
326.688

■ 50, 56.250,
326.306

■ 53, 45.716,
325.861

■ 57, 34.536,
325.373

■ 61, 23.039,
324.857

■ 66, 11.473,
324.324

Harmonies

Complementary

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



40, 86.120, 327.320



61, 88.946, 135.910

Rectangle

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



40, 86.120, 327.320



40, 86.120, 17.320



40, 86.120, 147.320



40, 86.120, 197.320

Sweetspot

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



40, 86.033, 327.316



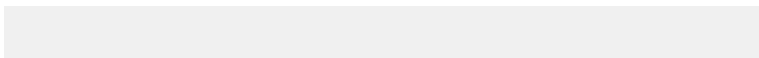
73, 42.914, 325.400



20, 97.942, 305.849



36, 29.177, 325.602



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, 86.033, 327.316



52, 105.037, 327.299



37, 63.511, 358.640



34, 6.543, 324.286



35, 78.041, 327.326



2, 13.704, 323.518

Inverse Universe

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



36, 76.670, 38.955



47, 93.975, 39.249



62, 68.292, 147.664



34, 3.817, 18.016



31, 69.129, 38.512



2, 7.807, 17.817

Previews

White Background



This preview shows how the CIELCh color 40, 86.120, 327.320 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 40, 86.120, 327.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

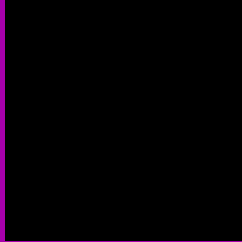
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 86.120, 327.320

Background



This preview shows how black text looks on a background with the CIELCh color 40, 86.120, 327.320.



This preview shows how white text looks on a background with the CIELCh color 40, 86.120, 327.320.

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, 86.120, 327.320

Protanopia

41, 63.697, 287.126

Deuteranopia

41, 39.664, 279.080



Tritanopia
41, 41.107, 22.562

Trichromacy



Original Color
40, 86.120, 327.320

Protanomaly
33, 79.145, 301.650

Deuteranomaly
35, 63.694, 307.182

Tritanomaly
39, 54.404, 349.620

Monochromacy



Original Color
40, 86.120, 327.320

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, 86.120, 327.320 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, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 172)  
}
```

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, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 86.120, 327.320 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, 0, 172) }
```

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

```
.border{ border-color:rgb(168, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 86.120, 327.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 172) }
```

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

```
.background{ background-color: rgb(168, 0,  
172) }
```

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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