

Converting Colors

CIELCh(33, 90.469, 350.681)

Have a look what the booklet for
CIELCh(33, 90.469, 350.681)
contains.

CIELCh(40, 67.527, 356.725)	3
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Color

CIELCh(40, 67.527, 356.725)

Conversions

Conversions Part 1

Format	Color
Hex	B90067
RGB	185, 0, 103
RGB Percent	73%, 0%, 40%
CMY	0.2753, 1.0000, 0.5968
CMYK	0.00, 1.00, 0.44, 0.28
HSL	327°, 100%, 36%
HSV	327°, 100%, 72%
XYZ	22.3895, 11.2510, 13.7782
YIQ	67.0570, 77.1970, 71.2530

Conversions

Conversions Part 2

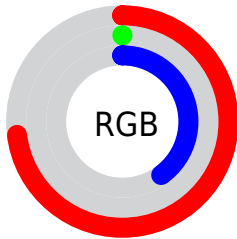
Format	Color
R_YB	185, 0, 103
Decimal	12124263
CIE Lab	40.00, 67.42, -3.86
CIE LCh	40, 67.527, 356.725
Yxy	11.2510, 0.4722, 0.2373
Android (android.graphics.Color)	4290314343 (0xFFB90067)
YUV	67.0570, 17.7199, 103.4360
Hunter-Lab	33.5425, 60.4487, -0.8748

Details

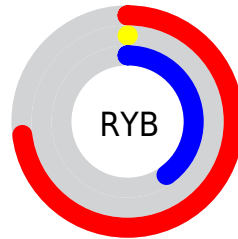
The CIELCh color **40, 67.527, 356.725** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **66, 73.929, 146.482**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 67.381, 356.743**, and **26, 50.080, 5.633** is the 20% darker color. If you saturate the color by 10%, you get **40, 67.464, 356.748**, and if you desaturate by 10%, it is **41, 66.404, 353.530**.

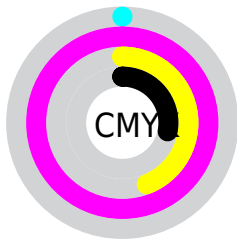
Distribution



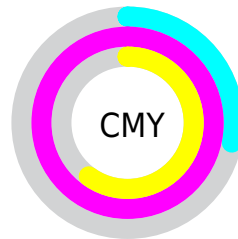
- Red (73%)
- Green (0%)
- Blue (40%)



- Red (73%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (28%)




- Cyan (28%)
- Magenta (100%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 67.527, 356.725 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, 67.527, 356.725 by changing the saturation by 10% instead.

 40, 67.527,
356.725


 40, 67.527,
356.725


 100, 67.527,
356.725


 30, 67.527,
356.725

 60, 67.527,
356.725


 20, 67.527,
356.725

 70, 67.527,
356.725


 10, 67.527,
356.725

 80, 67.527,
356.725

 0, 67.527, 356.725

 90, 67.527,
356.725

 40, 67.527,

 40, 67.527,

356.725

356.725

■ 40, 67.464,
356.748

■ 41, 66.404,
353.530

■ 43, 63.723,
350.870

■ 45, 59.039,
348.748

■ 48, 52.618,
347.027

■ 52, 44.895,
345.597

■ 56, 36.329,
344.376

■ 60, 27.309,
343.307

■ 65, 18.127,
342.352

Harmonies

Complementary

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



40, 67.527, 356.725



66, 73.929, 146.482

Rectangle

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



40, 67.527, 356.725



40, 67.527, 46.725



40, 67.527, 176.725



40, 67.527, 226.725

Sweetspot

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



40, 67.464, 356.748



77, 33.740, 343.357



27, 99.367, 310.489



38, 23.002, 343.791



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 67.464, 356.748



52, 81.809, 357.411



38, 79.318, 37.384



36, 5.059, 341.416



33, 59.519, 356.224



3, 12.633, 347.532

Inverse Universe

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



40, 67.464, 356.748



52, 81.809, 357.411



68, 41.699, 186.686



36, 5.059, 341.416



33, 59.519, 356.224



3, 12.633, 347.532

Previews

White Background



This preview shows how the CIELCh color 40, 67.527, 356.725 looks on a white background.

Color Contrast Check

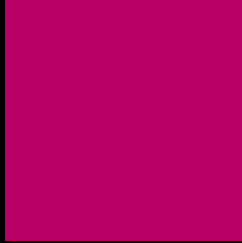
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.527, 356.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

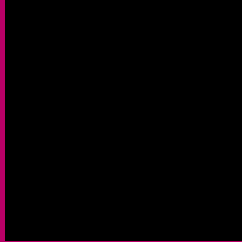
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 67.527, 356.725

Background



This preview shows how black text looks on a background with the CIELCh color 40, 67.527, 356.725.



This preview shows how white text looks on a background with the CIELCh color 40, 67.527, 356.725.

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, 67.527, 356.725

Protanopia
41, 32.317, 285.399

Deuteranopia
41, 5.581, 13.907



Tritanopia
41, 65.760, 32.774

Trichromacy



Original Color
40, 67.527, 356.725

Protanomaly
35, 47.788, 320.748

Deuteranomaly
36, 37.292, 349.175

Tritanomaly
40, 64.134, 19.321

Monochromacy



Original Color
40, 67.527, 356.725

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 35.057, 346.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 67.527, 356.725 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(185, 0, 103)` looks like.

```
.text, #text, p{  
  color:rgb(185, 0, 103)  
}
```

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(185, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 67.527, 356.725 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(185, 0, 103) }
```

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

```
.border{ border-color:rgb(185, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(185, 0,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 67.527, 356.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 103) }
```

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

```
.background{ background-color: rgb(185, 0,  
103) }
```

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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