

Converting Colors

CIELCh(40, 63.905, 337.058)

Have a look what the booklet for
CIELCh(40, 63.905, 337.058)
contains.

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Color

CIELCh(40, 63.725, 337.014)

Conversions

Conversions Part 1

Format	Color
Hex	A42988
RGB	164, 41, 136
RGB Percent	64%, 16%, 53%
CMY	0.3570, 0.8393, 0.4667
CMYK	0.00, 0.75, 0.17, 0.36
HSL	314°, 60%, 40%
HSV	314°, 75%, 64%
XYZ	20.5393, 11.2510, 24.3736
YIQ	88.6070, 42.8130, 55.6210

Conversions

Conversions Part 2

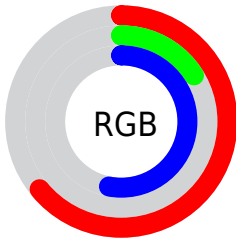
Format	Color
RYB	164, 41, 136
Decimal	10758536
CIELab	40.00, 58.67, -24.89
CIELCh	40, 63.725, 337.014
Yxy	11.2510, 0.3657, 0.2003
Android (android.graphics.Color)	4288948616 (0xFFA42988)
YUV	88.6070, 23.3647, 66.1197
Hunter-Lab	33.5425, 50.6029, -19.6033

Details

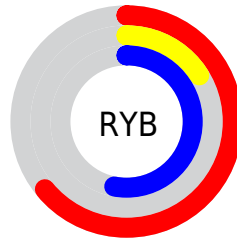
The CIELCh color **40, 63.725, 337.014** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **59, 66.169, 143.482**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.796, 336.869**, and **23, 52.813, 337.792** is the 20% darker color. If you saturate the color by 10%, you get **38, 67.516, 338.009**, and if you desaturate by 10%, it is **42, 58.032, 336.126**.

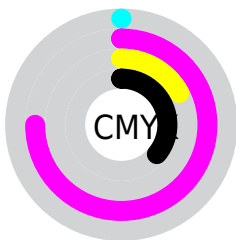
Distribution



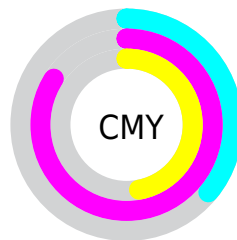
- Red (64%)
- Green (16%)
- Blue (53%)



- Red (64%)
- Yellow (16%)
- Blue (53%)



- Cyan (0%)
- Magenta (75%)
- Yellow (17%)
- Black (36%)





- Cyan (36%)
- Magenta (84%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 63.725, 337.014 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, 63.725, 337.014 by changing the saturation by 10% instead.


 40, 63.725,
337.014


 40, 63.725,
337.014


 100, 63.725,
337.014


 30, 63.725,
337.014

 60, 63.725,
337.014


 20, 63.725,
337.014

 70, 63.725,
337.014


 10, 63.725,
337.014

 80, 63.725,
337.014

 0, 63.725, 337.014

 90, 63.725,
337.014

 40, 63.725,

 40, 63.725,

337.014

337.014

■ 38, 67.516,
338.009

■ 42, 58.032,
336.126

■ 37, 69.283,
339.154

■ 45, 50.793,
335.310

■ 37, 69.795,
339.757

■ 49, 42.432,
334.544

■ 52, 33.353,
333.815

■ 56, 23.890,
333.116

■ 61, 14.295,
332.442

■ 65, 4.740, 331.766

■ 70, 4.663, 151.273

■ 74, 13.846,
150.654

Harmonies

Complementary

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



40, 63.725, 337.014



59, 66.169, 143.482

Rectangle

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



40, 63.725, 337.014



40, 63.725, 27.014



40, 63.725, 157.014



40, 63.725, 207.014

Sweetspot

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



40, 63.722, 337.014



73, 27.306, 333.009



28, 76.475, 305.986



37, 18.869, 333.245



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



40, 63.722, 337.014



49, 84.070, 338.756



38, 52.746, 10.579



32, 5.348, 332.060



32, 63.992, 339.613



1, 7.969, 333.453

Inverse Universe

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



40, 63.722, 337.014



49, 84.070, 338.756



60, 42.377, 168.163



32, 5.348, 332.060



32, 63.992, 339.613



1, 7.969, 333.453

Previews

White Background



This preview shows how the CIELCh color 40, 63.725, 337.014 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, 63.725, 337.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

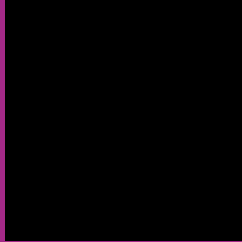
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 63.725, 337.014

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.725, 337.014.



This preview shows how white text looks on a background with the CIELCh color 40, 63.725, 337.014.

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, 63.725, 337.014

Protanopia

41, 52.319, 286.703

Deuteranopia

41, 21.386, 285.794



Tritanopia
40, 43.236, 24.062

Trichromacy



Original Color
40, 63.725, 337.014

Protanomaly
37, 54.794, 302.956

Deuteranomaly
38, 37.540, 317.007

Tritanomaly
40, 46.313, 1.743

Monochromacy



Original Color
40, 63.725, 337.014

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 27.196, 333.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.725, 337.014 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(164, 41, 136)` looks like.

```
.text, #text, p{  
    color:rgb(164, 41, 136)  
}
```

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(164, 41, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 41, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.725, 337.014 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(164, 41, 136) }
```

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

```
.border{ border-color:rgb(164, 41, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 41, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 41, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 41, 136);  
box-shadow:4px 4px 4px 4px rgb(164, 41,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.725, 337.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 41, 136) }
```

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

```
.background{ background-color: rgb(164, 41,  
136) }
```

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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