

Converting Colors

CIELCh(37, 71.748, 320.992)

Have a look what the booklet for
CIELCh(37, 71.748, 320.992)
contains.

CIELCh(37, 71.748, 320.992)	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(37, 71.748, 320.992)

Conversions

Conversions Part 1

Format	Color
Hex	882BA1
RGB	136, 43, 161
RGB Percent	53%, 17%, 63%
CMY	0.4666, 0.8313, 0.3686
CMYK	0.16, 0.73, 0.00, 0.37
HSL	287°, 58%, 40%
HSV	287°, 73%, 63%
XYZ	17.4543, 9.5379, 34.6454
YIQ	84.2590, 17.5500, 56.4140

Conversions

Conversions Part 2

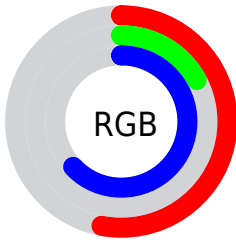
Format	Color
R _Y B	136, 43, 161
Decimal	8924065
CIE Lab	37.00, 55.75, -45.16
CIE LCh	37, 71.748, 320.992
Yxy	9.5379, 0.2832, 0.1547
Android (android.graphics.Color)	4287114145 (0xFF882BA1)
YUV	84.2590, 37.8333, 45.3769
Hunter-Lab	30.8835, 46.8361, -44.8936

Details

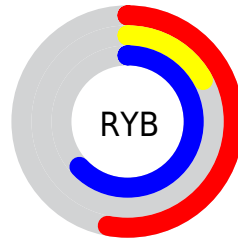
The CIELCh color **37, 71.748, 320.992** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **59, 70.358, 134.354**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 71.315, 320.964**, and **20, 63.330, 319.458** is the 20% darker color. If you saturate the color by 10%, you get **35, 77.779, 320.924**, and if you desaturate by 10%, it is **40, 63.971, 320.879**.

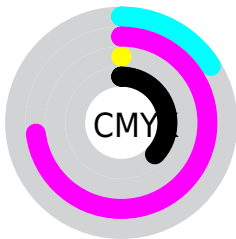
Distribution



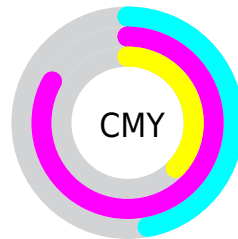
- Red (53%)
- Green (17%)
- Blue (63%)



- Red (53%)
- Yellow (17%)
- Blue (63%)



- Cyan (16%)
- Magenta (73%)
- Yellow (0%)
- Black (37%)





- Cyan (47%)
- Magenta (83%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 71.748, 320.992 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 37, 71.748, 320.992 by changing the saturation by 10% instead.


 37, 71.748,
320.992


 37, 71.748,
320.992

 100, 71.748,
320.992


 27, 71.748,
320.992

 57, 71.748,
320.992


 17, 71.748,
320.992


 67, 71.748,
320.992

 7, 71.748, 320.992

 77, 71.748,
320.992

 0, 71.748, 320.992

 87, 71.748,
320.992

 97, 71.748,
320.992

■ 37, 71.748,
320.992

■ 37, 71.748,
320.992

■ 35, 77.779,
320.924

■ 40, 63.971,
320.879

■ 33, 81.726,
320.635

■ 43, 54.917,
320.629

■ 32, 83.623,
320.367

■ 47, 45.039,
320.287

■ 51, 34.710,
319.887

■ 56, 24.205,
319.457

■ 60, 13.715,
319.014

■ 65, 3.363, 318.544

■ 69, 6.776, 138.206

■ 74, 16.661,
137.797

Harmonies

Complementary

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



37, 71.748, 320.992



59, 70.358, 134.354

Rectangle

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



37, 71.748, 320.992



37, 71.748, 10.992



37, 71.748, 140.992



37, 71.748, 190.992

Sweetspot

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



37, 71.747, 320.992



72, 28.280, 319.419



32, 57.906, 293.854



36, 18.988, 319.529



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 71.747, 320.992



44, 97.807, 320.767



39, 59.779, 339.654



32, 5.885, 318.835



29, 77.560, 320.429



1, 8.961, 316.938

Inverse Universe

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



37, 51.519, 15.672



45, 73.276, 22.745



59, 61.441, 145.636



32, 3.769, 3.136



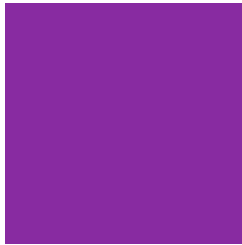
30, 60.097, 27.386



1, 5.692, 3.867

Previews

White Background



This preview shows how the CIELCh color 37, 71.748, 320.992 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 71.748, 320.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

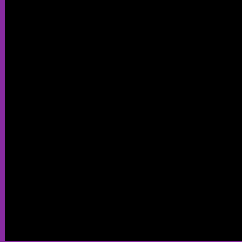
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 71.748, 320.992

Background



This preview shows how black text looks on a background with the CIELCh color 37, 71.748, 320.992.



This preview shows how white text looks on a background with the CIELCh color 37, 71.748, 320.992.

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
37, 71.748, 320.992

Protanopia
37, 58.639, 286.590

Deuteranopia
37, 40.489, 277.804



Tritanopia
37, 23.259, 15.855

Trichromacy



Original Color
37, 71.748, 320.992

Protanomaly
34, 63.840, 295.779

Deuteranomaly
35, 52.152, 297.759

Tritanomaly
36, 37.402, 338.288

Monochromacy



Original Color
37, 71.748, 320.992

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 29.754, 320.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 71.748, 320.992 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(136, 43, 161)` looks like.

```
.text, #text, p{  
    color:rgb(136, 43, 161)  
}
```

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(136, 43, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 43, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 71.748, 320.992 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(136, 43, 161) }
```

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

```
.border{ border-color:rgb(136, 43, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 43, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 43, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 43, 161);  
box-shadow:4px 4px 4px 4px rgb(136, 43,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 71.748, 320.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 43, 161) }
```

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

```
.background{ background-color: rgb(136, 43,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor