

Converting Colors

CIELCh(37, 40.014, 5.317)

Have a look what the booklet for
CIELCh(37, 40.014, 5.317) contains.

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Color

CIELCh(37, 39.847, 5.102)

Conversions

Conversions Part 1

Format	Color
Hex	913953
RGB	145, 57, 83
RGB Percent	57%, 22%, 33%
CMY	0.4320, 0.7771, 0.6751
CMYK	0.00, 0.61, 0.43, 0.43
HSL	342°, 44%, 40%
HSV	342°, 61%, 57%
XYZ	14.6589, 9.5379, 9.2233
YIQ	86.2760, 44.1020, 26.7420

Conversions

Conversions Part 2

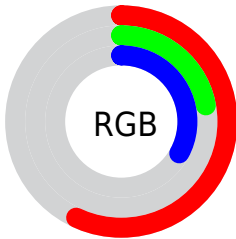
Format	Color
R_{YB}	145, 57, 83
Decimal	9517395
CIE _{Lab}	37.00, 39.69, 3.54
CIE _{LCh}	37, 39.847, 5.102
Yxy	9.5379, 0.4386, 0.2854
Android (android.graphics.Color)	4287707475 (0xFF913953)
YUV	86.2760, -1.6151, 51.5009
Hunter-Lab	30.8835, 30.6789, 3.9117

Details

The CIELCh color **37, 39.847, 5.102** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **54, 33.388, 169.585**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 39.942, 5.266**, and **17, 39.483, 5.629** is the 20% darker color. If you saturate the color by 10%, you get **34, 45.564, 7.904**, and if you desaturate by 10%, it is **40, 33.496, 2.871**.

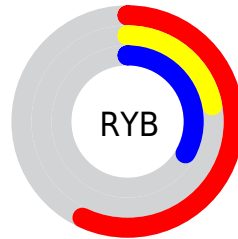
Distribution



Red (57%)

Green (22%)

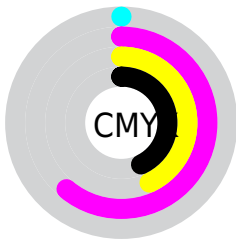
Blue (33%)



Red (57%)

Yellow (22%)

Blue (33%)

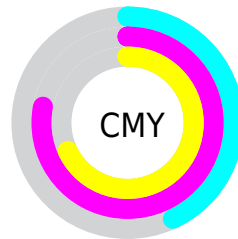


Cyan (0%)

Magenta (61%)

Yellow (43%)

Black (43%)



Cyan (43%)


Magenta (78%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 39.847, 5.102 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, 39.847, 5.102 by changing the saturation by 10% instead.

 37, 39.847, 5.102  37, 39.847, 5.102

 100, 39.847, 5.102  27, 39.847, 5.102

 57, 39.847, 5.102  17, 39.847, 5.102

 67, 39.847, 5.102  7, 39.847, 5.102

 77, 39.847, 5.102  0, 39.847, 5.102

 87, 39.847, 5.102

 97, 39.847, 5.102

 37, 39.847, 5.102  37, 39.847, 5.102

 34, 45.564, 7.904  40, 33.496, 2.871

 32, 50.393, 11.429  44, 26.804, 1.064

■ 31, 54.210, 15.809

■ 47, 20.011,
359.572

■ 30, 57.289, 20.291

■ 51, 13.292,
358.311

■ 56, 6.756, 357.211

■ 60, 0.463, 355.518

■ 64, 5.560, 175.577

■ 68, 11.310,
174.806

■ 73, 16.796,
174.131

Harmonies

Complementary

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



37, 39.847, 5.102



54, 33.388, 169.585

Rectangle

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



37, 39.847, 5.102



37, 39.847, 55.102



37, 39.847, 185.102



37, 39.847, 235.102

Sweetspot

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



37, 39.845, 5.104



67, 14.249, 358.039



36, 56.327, 318.081



34, 9.916, 358.342



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



37, 39.845, 5.104



44, 57.740, 9.144



40, 36.719, 40.432



28, 3.497, 357.046



28, 54.372, 19.893



0, 2.320, 356.262

Inverse Universe

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



37, 39.845, 5.104



44, 57.740, 9.144



50, 23.104, 224.301



28, 3.497, 357.046



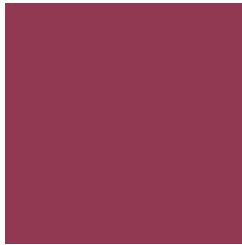
28, 54.372, 19.893



0, 2.320, 356.262

Previews

White Background



This preview shows how the CIE LCh color 37, 39.847, 5.102 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 CIE LCh color 37, 39.847, 5.102 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, 39.847, 5.102

Background



This preview shows how black text looks on a background with the CIELCh color 37, 39.847, 5.102.



This preview shows how white text looks on a background with the CIELCh color 37, 39.847, 5.102.

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, 39.847, 5.102

Protanopia

37, 8.032, 288.615

Deuteranopia

37, 7.693, 48.658



Tritanopia
37, 39.119, 23.282

Trichromacy



Original Color
37, 39.847, 5.102

Protanomaly
36, 17.122, 341.815

Deuteranomaly
37, 18.639, 13.082

Tritanomaly
37, 38.680, 16.509

Monochromacy



Original Color
37, 39.847, 5.102

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.248, 358.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 39.847, 5.102 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(145, 57, 83)` looks like.

```
.text, #text, p{  
    color:rgb(145, 57, 83)  
}
```

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(145, 57, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 57, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 39.847, 5.102 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(145, 57, 83) }
```

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

```
.border{ border-color:rgb(145, 57, 83) }
```

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

Here you see how a box with a 4 pixel rgb(145, 57, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 57, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 57, 83);  
box-shadow:4px 4px 4px 4px rgb(145, 57,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 39.847, 5.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 57, 83) }
```

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

```
.background{ background-color: rgb(145, 57,  
83) }
```

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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