

Converting Colors

CIELCh(37, 43.933, 0.414)

Have a look what the booklet for
CIELCh(37, 43.933, 0.414) contains.

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Color

CIELCh(37, 43.943, 0.512)

Conversions

Conversions Part 1

Format	Color
Hex	953458
RGB	149, 52, 88
RGB Percent	58%, 20%, 35%
CMY	0.4159, 0.7963, 0.6551
CMYK	0.00, 0.65, 0.41, 0.42
HSL	338°, 48%, 39%
HSV	338°, 65%, 58%
XYZ	15.3674, 9.5379, 10.2519
YIQ	85.1070, 46.2560, 31.7600

Conversions

Conversions Part 2

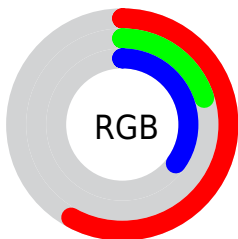
Format	Color
R_{YB}	149, 52, 88
Decimal	9778264
CIE Lab	37.00, 43.94, 0.39
CIE LCh	37, 43.943, 0.512
Yxy	9.5379, 0.4371, 0.2713
Android (android.graphics.Color)	4287968344 (0xFF953458)
YUV	85.1070, 1.4262, 56.0342
Hunter-Lab	30.8835, 34.7739, 1.9370

Details

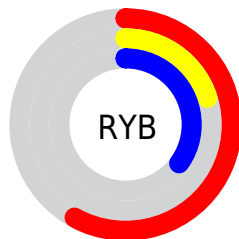
The CIELCh color **37, 43.943, 0.512** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **55, 38.672, 163.714**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 43.973, 0.135**, and **18, 40.795, 2.757** is the 20% darker color. If you saturate the color by 10%, you get **35, 49.065, 3.313**, and if you desaturate by 10%, it is **40, 37.881, 358.282**.

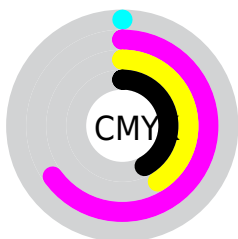
Distribution



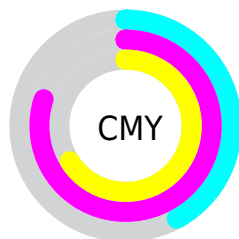
- Red (58%)
- Green (20%)
- Blue (35%)



- Red (58%)
- Yellow (20%)
- Blue (35%)



- Cyan (0%)
- Magenta (65%)
- Yellow (41%)
- Black (42%)



- Cyan (42%)
- Magenta (80%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 43.943, 0.512 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, 43.943, 0.512 by changing the saturation by 10% instead.

 37, 43.943, 0.512  37, 43.943, 0.512

 100, 43.943, 0.512  27, 43.943, 0.512

 57, 43.943, 0.512  17, 43.943, 0.512

 67, 43.943, 0.512  7, 43.943, 0.512

 77, 43.943, 0.512  0, 43.943, 0.512

 87, 43.943, 0.512

 97, 43.943, 0.512

 37, 43.943, 0.512  37, 43.943, 0.512

 35, 49.065, 3.313  40, 37.881,
358.282

 33, 53.001, 6.847

31, 55.735, 11.230

43, 31.211,
356.472

31, 57.005, 13.444

47, 24.231,
354.972

51, 17.172,
353.700

55, 10.196,
352.594

59, 3.398, 351.565

64, 3.167, 170.935

68, 9.477, 170.092

73, 15.530,
169.383

Harmonies

Complementary

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



37, 43.943, 0.512



55, 38.672, 163.714

Rectangle

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



37, 43.943, 0.512



37, 43.943, 50.512



37, 43.943, 180.512



37, 43.943, 230.512

Sweetspot

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



37, 43.940, 0.514



68, 16.843, 353.161



34, 61.098, 315.645



34, 11.496, 353.447



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



37, 43.940, 0.514



44, 61.925, 4.790



38, 43.011, 35.019



29, 3.751, 351.989



28, 53.785, 13.027



1, 3.232, 351.217

Inverse Universe

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



37, 43.940, 0.514



44, 61.925, 4.790



53, 25.640, 212.107



29, 3.751, 351.989



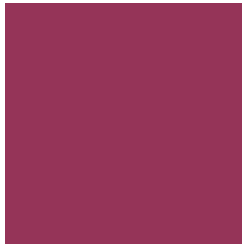
28, 53.785, 13.027



1, 3.232, 351.217

Previews

White Background



This preview shows how the CIELCh color 37, 43.943, 0.512 looks on a white background.

Color Contrast Check

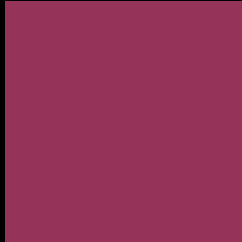
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.943, 0.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

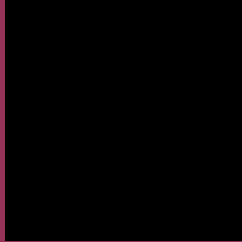
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 43.943, 0.512

Background



This preview shows how black text looks on a background with the CIELCh color 37, 43.943, 0.512.



This preview shows how white text looks on a background with the CIELCh color 37, 43.943, 0.512.

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, 43.943, 0.512

Protanopia

37, 13.626, 285.937

Deuteranopia

37, 5.854, 32.211



Tritanopia
37, 41.667, 24.871

Trichromacy



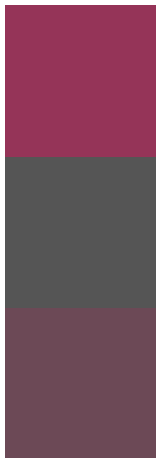
Original Color
37, 43.943, 0.512

Protanomaly
36, 21.426, 331.728

Deuteranomaly
36, 20.552, 2.098

Tritanomaly
37, 41.558, 15.733

Monochromacy



Original Color
37, 43.943, 0.512

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 17.132, 354.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 43.943, 0.512 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(149, 52, 88)` looks like.

```
.text, #text, p{  
    color:rgb(149, 52, 88)  
}
```

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(149, 52, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 52, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 43.943, 0.512 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(149, 52, 88) }
```

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

```
.border{ border-color:rgb(149, 52, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 52, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 52, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 52, 88);  
box-shadow:4px 4px 4px 4px rgb(149, 52,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 43.943, 0.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 52, 88) }
```

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

```
.background{ background-color: rgb(149, 52,  
88) }
```

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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