

Converting Colors

CIELCh(37, 47.716, 339.977)

Have a look what the booklet for
CIELCh(37, 47.716, 339.977)
contains.

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Color

CIELCh(37, 47.597, 340.009)

Conversions

Conversions Part 1

Format	Color
Hex	8E3572
RGB	142, 53, 114
RGB Percent	56%, 21%, 45%
CMY	0.4426, 0.7916, 0.5525
CMYK	0.00, 0.63, 0.20, 0.44
HSL	319°, 46%, 38%
HSV	319°, 63%, 56%
XYZ	15.5011, 9.5379, 16.9797
YIQ	86.5650, 33.4630, 37.8390

Conversions

Conversions Part 2

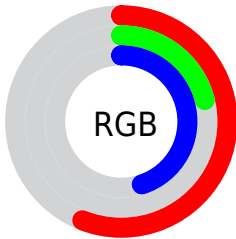
Format	Color
R_{YB}	142, 53, 114
Decimal	9319794
CIE _{Lab}	37.00, 44.73, -16.27
CIE _{LCh}	37, 47.597, 340.009
Yxy	9.5379, 0.3689, 0.2270
Android (android.graphics.Color)	4287509874 (0xFF8E3572)
YUV	86.5650, 13.5255, 48.6165
Hunter-Lab	30.8835, 35.5468, -10.9790

Details

The CIELCh color **37, 47.597, 340.009** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **53, 47.618, 148.581**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 47.619, 339.984**, and **18, 44.597, 340.706** is the 20% darker color. If you saturate the color by 10%, you get **35, 52.860, 341.172**, and if you desaturate by 10%, it is **40, 41.138, 338.990**.

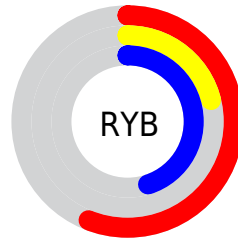
Distribution



Red (56%)

Green (21%)

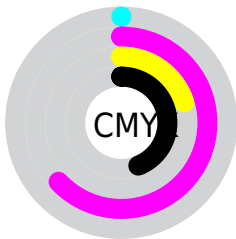
Blue (45%)



Red (56%)

Yellow (21%)

Blue (45%)

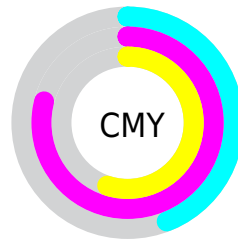


Cyan (0%)

Magenta (63%)

Yellow (20%)

Black (44%)



Cyan (44%)


Magenta (79%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 47.597, 340.009 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, 47.597, 340.009 by changing the saturation by 10% instead.

 37, 47.597,
340.009


 37, 47.597,
340.009

 100, 47.597,
340.009

 27, 47.597,
340.009

 57, 47.597,
340.009


 17, 47.597,
340.009

 67, 47.597,
340.009

 7, 47.597, 340.009

 77, 47.597,
340.009

 0, 47.597, 340.009

 87, 47.597,
340.009

 97, 47.597,
340.009

■ 37, 47.597,
340.009

■ 37, 47.597,
340.009

■ 35, 52.860,
341.172

■ 40, 41.138,
338.990

■ 33, 56.594,
342.534

■ 43, 33.860,
338.074

■ 32, 58.594,
344.169

■ 46, 26.090,
337.234

■ 31, 59.431,
345.495

■ 50, 18.087,
336.453

■ 54, 10.038,
335.716

■ 58, 2.069, 334.932

■ 62, 5.743, 154.467

■ 66, 13.353,
153.837

■ 70, 20.741,
153.262

Harmonies

Complementary

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



37, 47.597, 340.009



53, 47.618, 148.581

Rectangle

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



37, 47.597, 340.009



37, 47.597, 30.009



37, 47.597, 160.009



37, 47.597, 210.009

Sweetspot

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



37, 47.595, 340.009



65, 18.700, 336.211



30, 56.564, 306.600



33, 12.837, 336.400



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 47.595, 340.009



44, 65.832, 341.680



36, 40.310, 12.950



28, 4.497, 335.467



29, 57.347, 345.388



1, 3.015, 334.885

Inverse Universe

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



37, 47.595, 340.009



44, 65.832, 341.680



54, 30.930, 176.931



28, 4.497, 335.467



29, 57.347, 345.388



1, 3.015, 334.885

Previews

White Background



This preview shows how the CIELCh color 37, 47.597, 340.009 looks on a white background.

Color Contrast Check

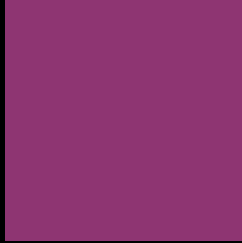
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.597, 340.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

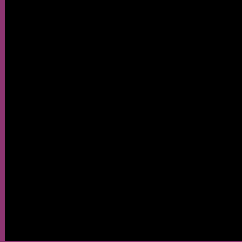
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 47.597, 340.009

Background



This preview shows how black text looks on a background with the CIELCh color 37, 47.597, 340.009.

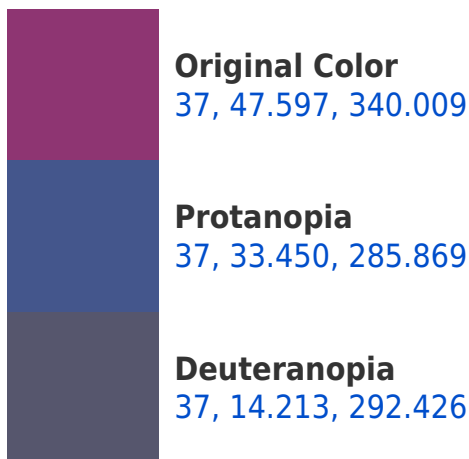


This preview shows how white text looks on a background with the CIELCh color 37, 47.597, 340.009.

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





Tritanopia
37, 33.816, 21.438

Trichromacy



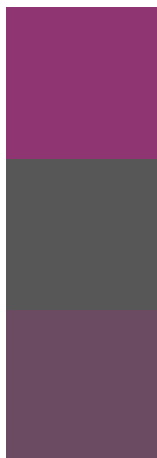
Original Color
37, 47.597, 340.009

Protanomaly
36, 36.200, 307.005

Deuteranomaly
36, 26.086, 322.179

Tritanomaly
37, 36.204, 3.426

Monochromacy



Original Color
37, 47.597, 340.009

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 18.990, 336.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 47.597, 340.009 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(142, 53, 114)` looks like.

```
.text, #text, p{  
    color:rgb(142, 53, 114)  
}
```

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(142, 53, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 53, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 47.597, 340.009 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(142, 53, 114) }
```

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

```
.border{ border-color:rgb(142, 53, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 53, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 53, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 53, 114);  
box-shadow:4px 4px 4px 4px rgb(142, 53,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 47.597, 340.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 53, 114) }
```

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

```
.background{ background-color: rgb(142, 53,  
114) }
```

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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