

Converting Colors

CIELCh(37, 47.458, 1.146)

Have a look what the booklet for
CIELCh(37, 47.458, 1.146) contains.

CIELCh(37, 47.266, 1.168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 47.266, 1.168)

Conversions

Conversions Part 1

Format	Color
Hex	992F57
RGB	153, 47, 87
RGB Percent	60%, 18%, 34%
CMY	0.3991, 0.8148, 0.6581
CMYK	0.00, 0.69, 0.43, 0.40
HSL	337°, 53%, 39%
HSV	337°, 69%, 60%
XYZ	15.9353, 9.5379, 10.0601
YIQ	83.2540, 50.3360, 34.9120

Conversions

Conversions Part 2

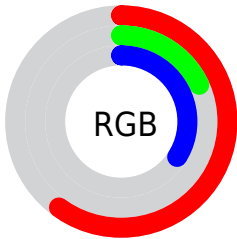
Format	Color
RYB	153, 47, 87
Decimal	10039127
CIELab	37.00, 47.26, 0.96
CIELCh	37, 47.266, 1.168
Yxy	9.5379, 0.4485, 0.2684
Android (android.graphics.Color)	4288229207 (0xFF992F57)
YUV	83.2540, 1.8468, 61.1672
Hunter-Lab	30.8835, 38.0563, 2.3051

Details

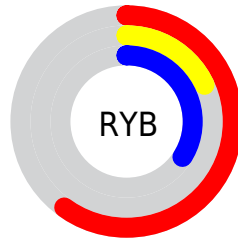
The CIELCh color **37, 47.266, 1.168** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **57, 41.665, 162.651**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 47.546, 0.782**, and **19, 41.603, 5.162** is the 20% darker color. If you saturate the color by 10%, you get **35, 51.989, 4.236**, and if you desaturate by 10%, it is **40, 41.439, 358.736**.

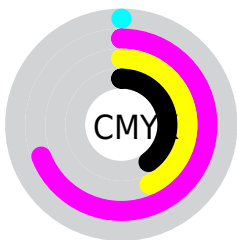
Distribution



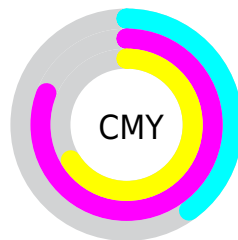
- Red (60%)
- Green (18%)
- Blue (34%)



- Red (60%)
- Yellow (18%)
- Blue (34%)



- Cyan (0%)
- Magenta (69%)
- Yellow (43%)
- Black (40%)



- Cyan (40%)
- Magenta (81%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 47.266, 1.168 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, 47.266, 1.168 by changing the saturation by 10% instead.

 37, 47.266, 1.168

 37, 47.266, 1.168

 100, 47.266, 1.168

 27, 47.266, 1.168

 57, 47.266, 1.168

 17, 47.266, 1.168

 67, 47.266, 1.168

 7, 47.266, 1.168

 77, 47.266, 1.168

 0, 47.266, 1.168


 87, 47.266, 1.168

 97, 47.266, 1.168

 37, 47.266, 1.168

 37, 47.266, 1.168

 35, 51.989, 4.236

 40, 41.439,
358.736

 33, 55.428, 8.101

■ 32, 57.928, 12.663

■ 43, 34.837,
356.778

■ 32, 58.148, 13.034

■ 47, 27.787,
355.170

■ 51, 20.561,
353.818

■ 55, 13.354,
352.654

■ 59, 6.292, 351.616

■ 64, 0.551, 171.455

■ 68, 7.142, 170.037

■ 73, 13.469,
169.290

Harmonies

Complementary

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



37, 47.266, 1.168



57, 41.665, 162.651

Rectangle

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



37, 47.266, 1.168



37, 47.266, 51.168



37, 47.266, 181.168



37, 47.266, 231.168

Sweetspot

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



37, 47.263, 1.169



69, 18.144, 352.901



34, 65.910, 315.724



35, 12.287, 353.186



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



37, 47.263, 1.169



44, 65.536, 6.236



38, 47.307, 35.743



30, 3.872, 351.621



29, 54.453, 12.577



1, 4.108, 351.249

Inverse Universe

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



37, 47.263, 1.169



44, 65.536, 6.236



54, 27.072, 212.517



30, 3.872, 351.621



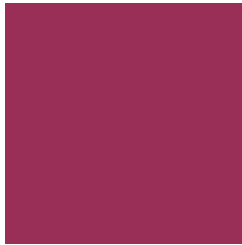
29, 54.453, 12.577



1, 4.108, 351.249

Previews

White Background



This preview shows how the CIELCh color 37, 47.266, 1.168 looks on a white background.

Color Contrast Check

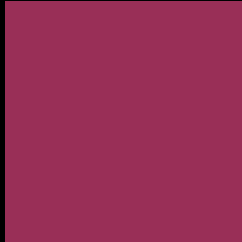
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.266, 1.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

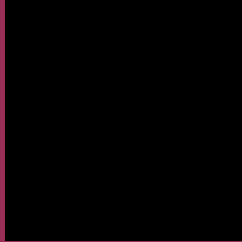
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 47.266, 1.168

Background



This preview shows how black text looks on a background with the CIELCh color 37, 47.266, 1.168.

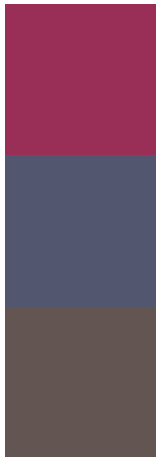


This preview shows how white text looks on a background with the CIELCh color 37, 47.266, 1.168.

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, 47.266, 1.168

Protanopia

37, 14.880, 285.292

Deuteranopia

37, 6.470, 36.664



Tritanopia
37, 45.515, 26.116

Trichromacy



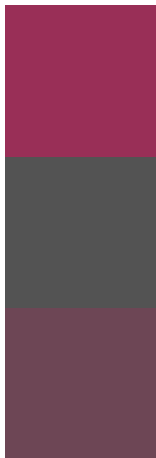
Original Color
37, 47.266, 1.168

Protanomaly
36, 22.839, 331.456

Deuteranomaly
36, 22.408, 2.671

Tritanomaly
37, 44.967, 17.083

Monochromacy



Original Color
37, 47.266, 1.168

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 19.223, 354.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 47.266, 1.168 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(153, 47, 87)` looks like.

```
.text, #text, p{  
    color:rgb(153, 47, 87)  
}
```

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(153, 47, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 47, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 47.266, 1.168 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(153, 47, 87) }
```

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

```
.border{ border-color:rgb(153, 47, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 47, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 47, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 47, 87);  
box-shadow:4px 4px 4px 4px rgb(153, 47,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 47.266, 1.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 47, 87) }
```

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

```
.background{ background-color: rgb(153, 47,  
87) }
```

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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