

Converting Colors

CIELCh(37, 64.108, 10.754)

Have a look what the booklet for
CIELCh(37, 64.108, 10.754) contains.

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Color

CIELCh(37, 63.864, 10.889)

Conversions

Conversions Part 1

Format	Color
Hex	AF0047
RGB	175, 0, 71
RGB Percent	69%, 0%, 28%
CMY	0.3144, 1.0000, 0.7221
CMYK	0.00, 1.00, 0.59, 0.31
HSL	336°, 100%, 34%
HSV	336°, 100%, 69%
XYZ	18.7687, 9.5379, 6.7910
YIQ	60.4190, 81.5090, 59.1810

Conversions

Conversions Part 2

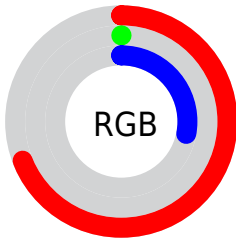
Format	Color
RYB	175, 0, 71
Decimal	11468871
CIELab	37.00, 62.71, 12.06
CIELCh	37, 63.864, 10.889
Yxy	9.5379, 0.5348, 0.2718
Android (android.graphics.Color)	4289658951 (0xFFAF0047)
YUV	60.4190, 5.2164, 100.4875
Hunter-Lab	30.8835, 54.4328, 8.5811

Details

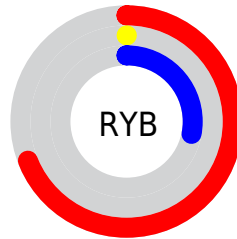
The CIELCh color **37, 63.864, 10.889** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 60.369, 154.541**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 63.705, 10.794**, and **23, 49.131, 22.642** is the 20% darker color. If you saturate the color by 10%, you get **37, 63.820, 10.918**, and if you desaturate by 10%, it is **38, 61.569, 6.338**.

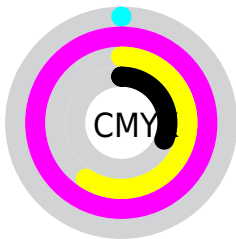
Distribution



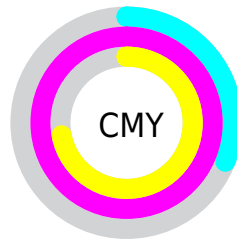
- Red (69%)
- Green (0%)
- Blue (28%)



- Red (69%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 63.864, 10.889 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, 63.864, 10.889 by changing the saturation by 10% instead.

 37, 63.864, 10.889

 37, 63.864, 10.889

 100, 63.864,
10.889

 27, 63.864, 10.889

 57, 63.864, 10.889

 17, 63.864, 10.889

 67, 63.864, 10.889

 7, 63.864, 10.889

 77, 63.864, 10.889

 0, 63.864, 10.889

 87, 63.864, 10.889

 97, 63.864, 10.889

 37, 63.864, 10.889

 37, 63.864, 10.889

 37, 63.820, 10.918

 38, 61.569, 6.338

■ 40, 58.216, 2.479

■ 42, 53.320,
359.425

■ 45, 47.072,
357.007

■ 49, 39.837,
355.063

■ 53, 32.004,
353.466

■ 57, 23.904,
352.121

■ 62, 15.776,
350.962

■ 67, 7.779, 349.930

Harmonies

Complementary

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



37, 63.864, 10.889



63, 60.369, 154.541

Rectangle

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



37, 63.864, 10.889



37, 63.864, 60.889



37, 63.864, 190.889



37, 63.864, 240.889

Sweetspot

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



37, 63.820, 10.918



73, 29.566, 352.186



29, 92.323, 314.002



36, 20.383, 352.720



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 63.820, 10.918



48, 77.693, 11.915



37, 77.545, 40.959



34, 4.370, 349.860



31, 57.085, 10.233



2, 8.702, 353.868

Inverse Universe

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



37, 63.820, 10.918



48, 77.693, 11.915



60, 34.114, 210.834



34, 4.370, 349.860



31, 57.085, 10.233



2, 8.702, 353.868

Previews

White Background



This preview shows how the CIELCh color 37, 63.864, 10.889 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, 63.864, 10.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

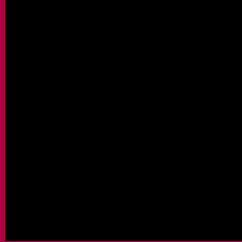
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 63.864, 10.889

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.864, 10.889.



This preview shows how white text looks on a background with the CIELCh color 37, 63.864, 10.889.

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, 63.864, 10.889

Protanopia

38, 8.614, 288.897

Deuteranopia

38, 17.434, 72.884



Tritanopia
37, 68.420, 35.300

Trichromacy



Original Color
37, 63.864, 10.889

Protanomaly
33, 32.781, 346.648

Deuteranomaly
34, 35.558, 16.081

Tritanomaly
37, 65.923, 27.041

Monochromacy



Original Color
37, 63.864, 10.889

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 31.697, 356.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.864, 10.889 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(175, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 71)  
}
```

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(175, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.864, 10.889 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(175, 0, 71) }
```

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

```
.border{ border-color:rgb(175, 0, 71) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(175, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.864, 10.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 71) }
```

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

```
.background{ background-color: rgb(175, 0,  
71) }
```

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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