

Converting Colors

CIELCh(37, 73.944, 33.589)

Have a look what the booklet for
CIELCh(37, 73.944, 33.589) contains.

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Color

CIELCh(37, 73.974, 33.754)

Conversions

Conversions Part 1

Format	Color
Hex	B20018
RGB	178, 0, 24
RGB Percent	70%, 0%, 9%
CMY	0.3018, 0.9995, 0.9058
CMYK	0.00, 1.00, 0.87, 0.30
HSL	352°, 100%, 35%
HSV	352°, 100%, 70%
XYZ	18.5357, 9.5379, 1.7298
YIQ	55.9580, 98.3840, 45.2000

Conversions

Conversions Part 2

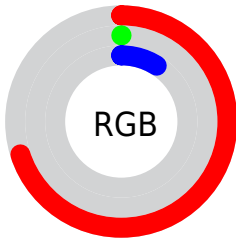
Format	Color
RYB	178, 0, 24
Decimal	11665432
CIELab	37.00, 61.50, 41.10
CIElCh	37, 73.974, 33.754
Yxy	9.5379, 0.6219, 0.3200
Android (android.graphics.Color)	4289855512 (0xFFB20018)
YUV	55.9580, -15.7553, 107.0308
Hunter-Lab	30.8835, 53.0862, 18.2977

Details

The CIELCh color **37, 73.974, 33.754** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **65, 43.727, 178.095**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 74.052, 33.631**, and **22, 56.000, 37.374** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.010, 33.784**, and if you desaturate by 10%, it is **38, 68.323, 29.138**.

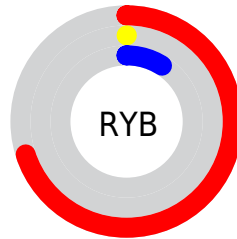
Distribution



Red (70%)

Green (0%)

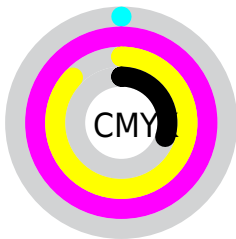
Blue (9%)



Red (70%)

Yellow (0%)

Blue (9%)

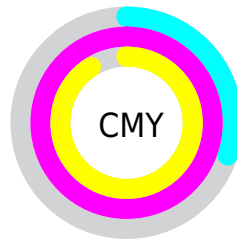


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (30%)



Cyan (30%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 73.974, 33.754 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, 73.974, 33.754 by changing the saturation by 10% instead.

■ 37, 73.974, 33.754

■ 37, 73.974, 33.754

■ 100, 73.974,
33.754

■ 27, 73.974, 33.754

■ 57, 73.974, 33.754

■ 17, 73.974, 33.754

■ 67, 73.974, 33.754

■ 7, 73.974, 33.754

■ 77, 73.974, 33.754

■ 0, 73.974, 33.754

■ 87, 73.974, 33.754

■ 97, 73.974, 33.754

■ 37, 73.974, 33.754

■ 37, 73.974, 33.754

■ 37, 74.010, 33.784

■ 38, 68.323, 29.138

40, 61.901, 24.572

42, 54.670, 20.685

45, 46.813, 17.546

49, 38.601, 15.062

53, 30.316, 13.099

58, 22.189, 11.531

63, 14.373, 10.256

68, 6.952, 9.179

Harmonies

Complementary

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



37, 73.974, 33.754



65, 43.727, 178.095

Rectangle

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



37, 73.974, 33.754



37, 73.974, 83.754



37, 73.974, 213.754



37, 73.974, 263.754

Sweetspot

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



37, 73.971, 33.756



74, 27.628, 11.615



38, 89.317, 322.513



37, 19.200, 12.235



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



37, 73.971, 33.756



49, 91.109, 34.666



43, 70.147, 50.158



35, 3.966, 9.117



31, 65.743, 33.149



2, 9.278, 10.841

Inverse Universe

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



37, 73.971, 33.756



49, 91.109, 34.666



47, 40.709, 264.660



35, 3.966, 9.117



31, 65.743, 33.149



2, 9.278, 10.841

Previews

White Background



This preview shows how the CIELCh color 37, 73.974, 33.754 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, 73.974, 33.754 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, 73.974, 33.754

Background



This preview shows how black text looks on a background with the CIELCh color 37, 73.974, 33.754.



This preview shows how white text looks on a background with the CIELCh color 37, 73.974, 33.754.

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, 73.974, 33.754

Protanopia

38, 30.047, 95.858

Deuteranopia

38, 46.377, 83.987



Tritanopia
37, 78.161, 41.063

Trichromacy



Original Color
37, 73.974, 33.754

Protanomaly
33, 40.705, 44.563

Deuteranomaly
34, 53.502, 51.389

Tritanomaly
37, 76.541, 38.566

Monochromacy



Original Color
37, 73.974, 33.754

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 31.241, 18.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 73.974, 33.754 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(178, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 24)  
}
```

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(178, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 73.974, 33.754 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(178, 0, 24) }
```

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

```
.border{ border-color:rgb(178, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 73.974, 33.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 24) }
```

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

```
.background{ background-color: rgb(178, 0,  
24) }
```

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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