

Converting Colors

CIELCh(37, 76.912, 39.917)

Have a look what the booklet for
CIELCh(37, 76.912, 39.917) contains.

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Color

CIELCh(37, 76.997, 39.973)

Conversions

Conversions Part 1

Format	Color
Hex	B00E04
RGB	176, 14, 4
RGB Percent	69%, 5%, 2%
CMY	0.3102, 0.9457, 0.9845
CMYK	0.00, 0.92, 0.98, 0.31
HSL	3°, 96%, 35%
HSV	3°, 98%, 69%
XYZ	18.0608, 9.5379, 1.0022
YIQ	61.2980, 99.7620, 31.2340

Conversions

Conversions Part 2

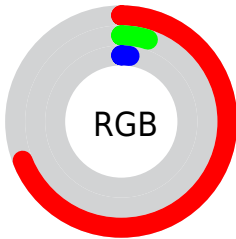
Format	Color
R_{YB}	176, 15, 4
Decimal	11537924
CIE Lab	37.00, 59.01, 49.46
CIE LCh	37, 76.997, 39.973
Yxy	9.5379, 0.6315, 0.3335
Android (android.graphics.Color)	4289728004 (0xFFB00E04)
YUV	61.2980, -28.2479, 100.5937
Hunter-Lab	30.8835, 50.3412, 19.6944

Details

The CIELCh color **37, 76.997, 39.973** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **62, 35.098, 205.841**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 76.825, 40.042**, and **22, 55.167, 37.186** is the 20% darker color. If you saturate the color by 10%, you get **37, 78.309, 40.620**, and if you desaturate by 10%, it is **38, 70.688, 37.677**.

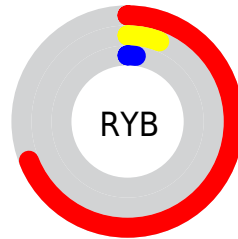
Distribution



Red (69%)

Green (5%)

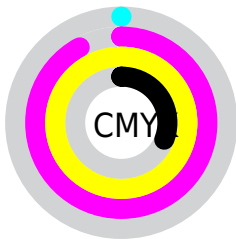
Blue (2%)



Red (69%)

Yellow (6%)

Blue (2%)

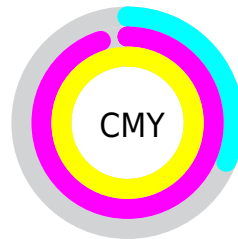


Cyan (0%)

Magenta (92%)

Yellow (98%)

Black (31%)



Cyan (31%)

Magenta (95%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 76.997, 39.973 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, 76.997, 39.973 by changing the saturation by 10% instead.

■ 37, 76.997, 39.973

■ 37, 76.997, 39.973

■ 100, 76.997,
39.973

■ 27, 76.997, 39.973

■ 57, 76.997, 39.973

■ 17, 76.997, 39.973

■ 67, 76.997, 39.973

■ 7, 76.997, 39.973

■ 77, 76.997, 39.973

■ 0, 76.997, 39.973

■ 87, 76.997, 39.973

■ 97, 76.997, 39.973

■ 37, 76.997, 39.973

■ 37, 76.997, 39.973

■ 37, 78.309, 40.620

■ 38, 70.688, 37.677

40, 62.548, 34.925

43, 53.648, 32.307

46, 44.603, 30.117

50, 35.742, 28.391

54, 27.264, 27.070

59, 19.286, 26.073

63, 11.856, 25.321

68, 4.976, 24.719

Harmonies

Complementary

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



37, 76.997, 39.973



62, 35.098, 205.841

Rectangle

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



37, 76.997, 39.973



37, 76.997, 89.973



37, 76.997, 219.973



37, 76.997, 269.973

Sweetspot

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



37, 76.994, 39.975



74, 25.183, 26.228



41, 83.743, 330.261



37, 17.543, 26.628



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, 76.994, 39.975



48, 95.829, 40.473



50, 62.407, 65.526



34, 3.610, 24.809



31, 69.199, 40.327



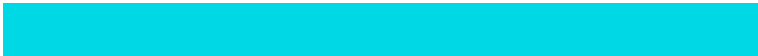
2, 7.447, 23.513

Inverse Universe

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



62, 35.098, 205.841



79, 42.878, 206.211



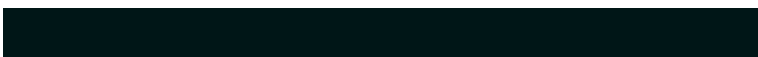
36, 58.637, 287.557



36, 3.403, 204.271



53, 31.385, 205.898



6, 7.198, 207.007

Previews

White Background



This preview shows how the CIELCh color 37, 76.997, 39.973 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, 76.997, 39.973 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, 76.997, 39.973

Background



This preview shows how black text looks on a background with the CIELCh color 37, 76.997, 39.973.



This preview shows how white text looks on a background with the CIELCh color 37, 76.997, 39.973.

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, 76.997, 39.973

Protanopia

38, 37.858, 95.575

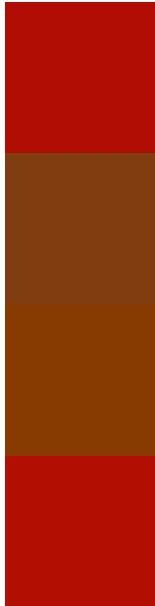
Deuteranopia

38, 46.009, 85.178



Tritanopia
37, 77.812, 41.073

Trichromacy



Original Color
37, 76.997, 39.973

Protanomaly
34, 46.307, 56.621

Deuteranomaly
35, 54.010, 56.513

Tritanomaly
37, 77.656, 40.755

Monochromacy



Original Color
37, 76.997, 39.973

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 30.376, 30.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 76.997, 39.973 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(176, 14, 4)` looks like.

```
.text, #text, p{  
    color:rgb(176, 14, 4)  
}
```

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(176, 14, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 14, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 76.997, 39.973 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(176, 14, 4) }
```

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

```
.border{ border-color:rgb(176, 14, 4) }
```

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

Here you see how a box with a 4 pixel rgb(176, 14, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 14, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 14, 4);  
box-shadow:4px 4px 4px 4px rgb(176, 14, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 76.997, 39.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 14, 4) }
```

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

```
.background{ background-color: rgb(176, 14,  
4) }
```

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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