

Converting Colors

CIELCh(37, 60.420, 52.559)

Have a look what the booklet for
CIELCh(37, 60.420, 52.559) contains.

CIELCh(37, 60.466, 52.499)	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, 60.466, 52.499)

Conversions

Conversions Part 1

Format	Color
Hex	973A01
RGB	151, 58, 1
RGB Percent	59%, 23%, 0%
CMY	0.4094, 0.7738, 0.9972
CMYK	0.00, 0.62, 1.00, 0.41
HSL	23°, 99%, 30%
HSV	23°, 100%, 59%
XYZ	14.1918, 9.5379, 1.1133
YIQ	79.3090, 73.7250, 1.9890

Conversions

Conversions Part 2

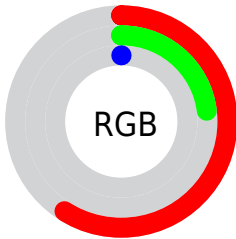
Format	Color
R_{YB}	151, 93, 1
Decimal	9910785
CIE Lab	37.00, 36.81, 47.97
CIE LCh	37, 60.466, 52.499
Yxy	9.5379, 0.5713, 0.3839
Android (android.graphics.Color)	4288100865 (0xFF973A01)
YUV	79.3090, -38.6063, 62.8730
Hunter-Lab	30.8835, 27.9791, 19.4812

Details

The CIELCh color **37, 60.466, 52.499** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **38, 37.635, 268.403**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 60.676, 52.326**, and **17, 45.629, 35.524** is the 20% darker color. If you saturate the color by 10%, you get **37, 60.760, 52.475**, and if you desaturate by 10%, it is **39, 54.766, 53.807**.

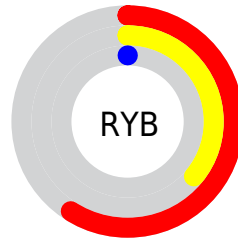
Distribution



Red (59%)

Green (23%)

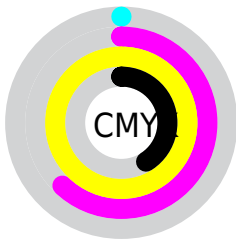
Blue (0%)



Red (59%)

Yellow (36%)

Blue (0%)

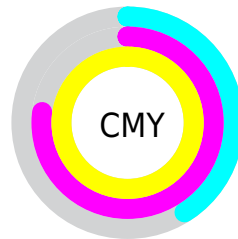


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 60.466, 52.499 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, 60.466, 52.499 by changing the saturation by 10% instead.

■ 37, 60.466, 52.499

■ 37, 60.466, 52.499

■ 100, 60.466,
52.499

■ 27, 60.466, 52.499

■ 57, 60.466, 52.499

■ 17, 60.466, 52.499

■ 67, 60.466, 52.499

■ 7, 60.466, 52.499

■ 77, 60.466, 52.499

■ 0, 60.466, 52.499

■ 87, 60.466, 52.499

■ 97, 60.466, 52.499

■ 37, 60.466, 52.499

■ 37, 60.466, 52.499

■ 37, 60.760, 52.475

■ 39, 54.766, 53.807

41, 48.334, 54.911

43, 41.397, 55.706

46, 34.467, 56.421

48, 27.787, 57.154

51, 21.456, 57.935

54, 15.503, 58.767

57, 9.921, 59.636

60, 4.687, 60.508

Harmonies

Complementary

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



37, 60.466, 52.499



38, 37.635, 268.403

Rectangle

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



37, 60.466, 52.499



37, 60.466, 102.499



37, 60.466, 232.499



37, 60.466, 282.499

Sweetspot

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



37, 60.464, 52.501



69, 19.620, 58.675



33, 60.084, 349.508



35, 13.668, 58.348



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, 60.464, 52.501



48, 74.428, 51.694



55, 59.705, 93.632



31, 2.813, 60.533



34, 57.558, 52.720



2, 2.961, 60.686

Inverse Universe

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



38, 37.635, 268.403



49, 46.656, 269.737



19, 82.867, 303.879



31, 2.708, 242.501



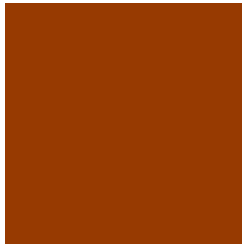
35, 35.701, 268.259



2, 2.976, 242.752

Previews

White Background



This preview shows how the CIELCh color 37, 60.466, 52.499 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, 60.466, 52.499 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, 60.466, 52.499

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.466, 52.499.



This preview shows how white text looks on a background with the CIELCh color 37, 60.466, 52.499.

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, 60.466, 52.499

Protanopia

37, 40.490, 95.597

Deuteranopia

37, 45.686, 85.013



Tritanopia
37, 45.952, 26.216

Trichromacy



Original Color
37, 60.466, 52.499

Protanomaly
36, 43.687, 74.213

Deuteranomaly
36, 48.795, 69.885

Tritanomaly
37, 50.607, 39.179

Monochromacy



Original Color
37, 60.466, 52.499

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 21.490, 56.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.466, 52.499 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(151, 58, 1)` looks like.

```
.text, #text, p{  
    color:rgb(151, 58, 1)  
}
```

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(151, 58, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 58, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.466, 52.499 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(151, 58, 1) }
```

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

```
.border{ border-color:rgb(151, 58, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 58, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 58, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 58, 1);  
box-shadow:4px 4px 4px 4px rgb(151, 58, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.466, 52.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 58, 1) }
```

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

```
.background{ background-color: rgb(151, 58,  
1) }
```

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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