

Converting Colors

CIELCh(37, 73.811, 34.345)

Have a look what the booklet for
CIELCh(37, 73.811, 34.345) contains.

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Color

CIELCh(37, 73.648, 34.247)

Conversions

Conversions Part 1

Format	Color
Hex	B10417
RGB	177, 4, 23
RGB Percent	69%, 2%, 9%
CMY	0.3044, 0.9847, 0.9088
CMYK	0.00, 0.98, 0.87, 0.30
HSL	353°, 96%, 36%
HSV	353°, 98%, 70%
XYZ	18.4160, 9.5379, 1.6945
YIQ	57.8930, 97.0090, 42.5850

Conversions

Conversions Part 2

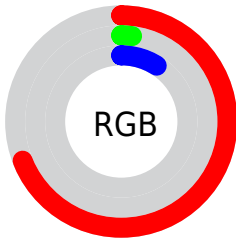
Format	Color
RYB	177, 4, 23
Decimal	11600919
CIELab	37.00, 60.88, 41.45
CIElCh	37, 73.648, 34.247
Yxy	9.5379, 0.6211, 0.3217
Android (android.graphics.Color)	4289790999 (0xFFB10417)
YUV	57.8930, -17.2022, 104.4568
Hunter-Lab	30.8835, 52.3944, 18.3654

Details

The CIELCh color **37, 73.648, 34.247** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **65, 42.203, 181.116**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 73.684, 34.248**, and **22, 56.000, 37.374** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.871, 35.089**, and if you desaturate by 10%, it is **38, 67.726, 29.718**.

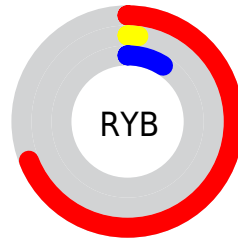
Distribution



Red (69%)

Green (2%)

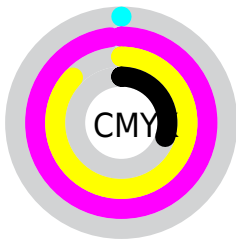
Blue (9%)



Red (69%)

Yellow (2%)

Blue (9%)

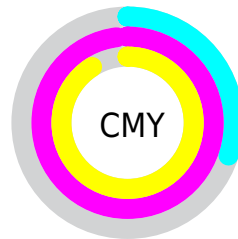


Cyan (0%)

Magenta (98%)

Yellow (87%)

Black (30%)



Cyan (30%)

Magenta (98%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 73.648, 34.247 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, 73.648, 34.247 by changing the saturation by 10% instead.

 37, 73.648, 34.247

 37, 73.648, 34.247

 100, 73.648,
34.247

 27, 73.648, 34.247

 57, 73.648, 34.247

 17, 73.648, 34.247

 67, 73.648, 34.247

 7, 73.648, 34.247

 77, 73.648, 34.247

 0, 73.648, 34.247

 87, 73.648, 34.247

 97, 73.648, 34.247

 37, 73.648, 34.247

 37, 73.648, 34.247

 37, 74.871, 35.089

 38, 67.726, 29.718

40, 60.874, 25.359

42, 53.273, 21.660

46, 45.157, 18.681

50, 36.803, 16.329

54, 28.481, 14.473

59, 20.396, 12.994

63, 12.676, 11.792

68, 5.384, 10.767

Harmonies

Complementary

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



37, 73.648, 34.247



65, 42.203, 181.116

Rectangle

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



37, 73.648, 34.247



37, 73.648, 84.247



37, 73.648, 214.247



37, 73.648, 264.247

Sweetspot

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



37, 73.645, 34.249



73, 26.356, 13.222



39, 88.232, 323.794



36, 18.272, 13.820



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, 73.645, 34.249



48, 91.617, 35.885



44, 67.365, 52.449



35, 3.947, 10.919



31, 66.709, 34.512



2, 9.243, 12.273

Inverse Universe

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



37, 73.645, 34.249



48, 91.617, 35.885



45, 42.530, 268.781



35, 3.947, 10.919



31, 66.709, 34.512



2, 9.243, 12.273

Previews

White Background



This preview shows how the CIELCh color 37, 73.648, 34.247 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, 73.648, 34.247 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, 73.648, 34.247

Background



This preview shows how black text looks on a background with the CIELCh color 37, 73.648, 34.247.



This preview shows how white text looks on a background with the CIELCh color 37, 73.648, 34.247.

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, 73.570, 34.320

Protanopia

38, 30.575, 95.922

Deuteranopia

38, 46.190, 84.579



Tritanopia
37, 77.812, 41.073

Trichromacy



Original Color
37, 73.570, 34.320

Protanomaly
34, 40.647, 46.746

Deuteranomaly
34, 52.952, 52.908

Tritanomaly
37, 76.245, 38.913

Monochromacy



Original Color
37, 73.570, 34.320

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 30.765, 19.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 73.648, 34.247 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(177, 4, 23)` looks like.

```
.text, #text, p{  
    color:rgb(177, 4, 23)  
}
```

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(177, 4, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 4, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 73.648, 34.247 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(177, 4, 23) }
```

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

```
.border{ border-color:rgb(177, 4, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 4, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 4, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 4, 23);  
box-shadow:4px 4px 4px 4px rgb(177, 4, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 73.648, 34.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 4, 23) }
```

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

```
.background{ background-color: rgb(177, 4,  
23) }
```

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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