

Converting Colors

CIELCh(35, 80.419, 32.273)

Have a look what the booklet for
CIELCh(35, 80.419, 32.273) contains.

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Color

CIELCh(37, 75.919, 35.711)

Conversions

Conversions Part 1

Format	Color
Hex	B20012
RGB	178, 0, 18
RGB Percent	70%, 0%, 7%
CMY	0.3001, 1.0000, 0.9309
CMYK	0.00, 1.00, 0.90, 0.30
HSL	354°, 100%, 35%
HSV	354°, 100%, 70%
XYZ	18.5625, 9.5379, 1.4190
YIQ	55.2740, 100.3100, 43.3340

Conversions

Conversions Part 2

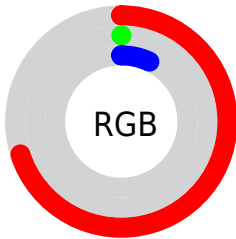
Format	Color
RYB	178, 0, 18
Decimal	11665426
CIELab	37.00, 61.64, 44.31
CIELCh	37, 75.919, 35.711
Yxy	9.5379, 0.6288, 0.3231
Android (android.graphics.Color)	4289855506 (0xFFB20012)
YUV	55.2740, -18.3761, 107.6307
Hunter-Lab	30.8835, 53.2412, 18.8943

Details

The CIELCh color **37, 75.919, 35.711** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **65, 42.045, 182.462**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 75.656, 35.742**, and **22, 56.000, 37.374** is the 20% darker color. If you saturate the color by 10%, you get **37, 75.826, 35.793**, and if you desaturate by 10%, it is **38, 70.005, 31.602**.

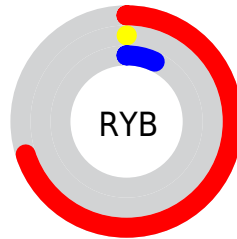
Distribution



Red (70%)

Green (0%)

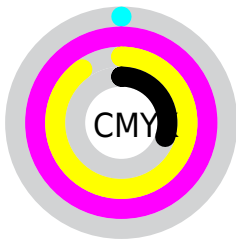
Blue (7%)



Red (70%)

Yellow (0%)

Blue (7%)

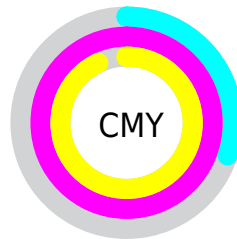


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (30%)



Cyan (30%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 75.919, 35.711 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, 75.919, 35.711 by changing the saturation by 10% instead.

 37, 75.919, 35.711

 37, 75.919, 35.711

 100, 75.919,
35.711

 27, 75.919, 35.711

 57, 75.919, 35.711

 17, 75.919, 35.711

 67, 75.919, 35.711

 7, 75.919, 35.711

 77, 75.919, 35.711

 0, 75.919, 35.711

 87, 75.919, 35.711

 97, 75.919, 35.711

 37, 75.919, 35.711

 37, 75.919, 35.711

 37, 75.826, 35.793

 38, 70.005, 31.602

■ 40, 63.178, 27.203

■ 42, 55.548, 23.368

■ 45, 47.369, 20.244

■ 49, 38.918, 17.770

■ 53, 30.471, 15.825

■ 58, 22.248, 14.284

■ 63, 14.389, 13.043

■ 68, 6.967, 12.008

Harmonies

Complementary

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



37, 75.919, 35.711



65, 42.045, 182.462

Rectangle

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



37, 75.919, 35.711



37, 75.919, 85.711



37, 75.919, 215.711



37, 75.919, 265.711

Sweetspot

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



37, 75.826, 35.793



74, 27.581, 14.355



39, 89.012, 324.365



37, 19.191, 14.962



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, 75.826, 35.793



49, 93.117, 36.550



44, 68.421, 53.236



35, 3.937, 11.942



31, 67.243, 35.223



2, 9.225, 13.085

Inverse Universe

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



37, 75.826, 35.793



49, 93.117, 36.550



44, 44.989, 272.210



35, 3.937, 11.942



31, 67.243, 35.223



2, 9.225, 13.085

Previews

White Background



This preview shows how the CIELCh color 37, 75.919, 35.711 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, 75.919, 35.711 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, 75.919, 35.711

Background



This preview shows how black text looks on a background with the CIELCh color 37, 75.919, 35.711.



This preview shows how white text looks on a background with the CIELCh color 37, 75.919, 35.711.

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, 75.562, 35.662

Protanopia

38, 33.726, 95.360

Deuteranopia

38, 46.511, 84.746



Tritanopia
37, 78.161, 41.063

Trichromacy



Original Color
37, 75.562, 35.662

Protanomaly
33, 43.702, 48.302

Deuteranomaly
34, 54.112, 52.662

Tritanomaly
37, 77.564, 39.236

Monochromacy



Original Color
37, 75.562, 35.662

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 32.033, 21.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 75.919, 35.711 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 75.919, 35.711 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, 18) }
```

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

```
.border{ border-color:rgb(178, 0, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 75.919, 35.711 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, 18) }
```

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

```
.background{ background-color: rgb(178, 0,  
18) }
```

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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