

Converting Colors

CIELCh(30, 99.567, 39.891)

Have a look what the booklet for
CIELCh(30, 99.567, 39.891) contains.

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Color

CIELCh(36, 77.749, 39.913)

Conversions

Conversions Part 1

Format	Color
Hex	AD0301
RGB	173, 3, 1
RGB Percent	68%, 1%, 0%
CMY	0.3198, 0.9874, 0.9961
CMYK	0.00, 0.98, 0.99, 0.32
HSL	1°, 99%, 34%
HSV	1°, 99%, 68%
XYZ	17.3757, 9.0082, 0.8518
YIQ	53.6020, 101.9620, 35.4180

Conversions

Conversions Part 2

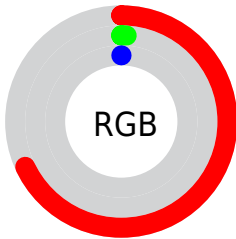
Format	Color
RYB	173, 3, 1
Decimal	11338497
CIELab	36.00, 59.64, 49.89
CIElCh	36, 77.749, 39.913
Yxy	9.0082, 0.6380, 0.3307
Android (android.graphics.Color)	4289528577 (0xFFAD0301)
YUV	53.6020, -25.9328, 104.7120
Hunter-Lab	30.0136, 50.8146, 19.3269

Details

The CIELCh color **36, 77.749, 39.913** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **64, 36.834, 198.377**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 77.341, 39.910**, and **21, 53.908, 36.886** is the 20% darker color. If you saturate the color by 10%, you get **36, 78.078, 40.082**, and if you desaturate by 10%, it is **37, 72.022, 37.090**.

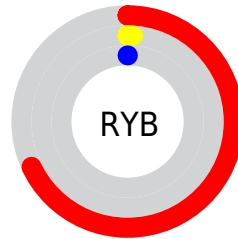
Distribution



Red (68%)

Green (1%)

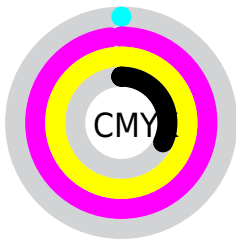
Blue (0%)



Red (68%)

Yellow (1%)

Blue (0%)

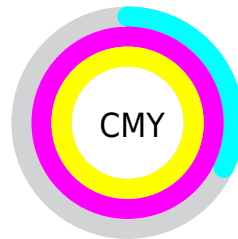


Cyan (0%)

Magenta (98%)

Yellow (99%)

Black (32%)



Cyan (32%)

Magenta (99%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 77.749, 39.913 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 36, 77.749, 39.913 by changing the saturation by 10% instead.

 36, 77.749, 39.913

 36, 77.749, 39.913

 100, 77.749,
39.913

 26, 77.749, 39.913

 56, 77.749, 39.913

 16, 77.749, 39.913

 66, 77.749, 39.913

 6, 77.749, 39.913

 76, 77.749, 39.913

 0, 77.749, 39.913

 86, 77.749, 39.913

 96, 77.749, 39.913

 36, 77.749, 39.913

 36, 77.749, 39.913

 36, 78.078, 40.082

 37, 72.022, 37.090

■ 39, 64.494, 33.774

■ 41, 55.934, 30.555

■ 44, 47.008, 27.838

■ 48, 38.085, 25.680

■ 52, 29.420, 24.012

■ 57, 21.181, 22.733

■ 61, 13.457, 21.748

■ 66, 6.277, 20.960

Harmonies

Complementary

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



36, 77.749, 39.913



64, 36.834, 198.377

Rectangle

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



36, 77.749, 39.913



36, 77.749, 89.913



36, 77.749, 219.913



36, 77.749, 269.913

Sweetspot

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



36, 77.746, 39.915



71, 26.738, 22.857



41, 86.454, 328.228



35, 18.492, 23.351



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 77.746, 39.915



47, 94.782, 40.106



47, 63.507, 60.898



34, 3.769, 20.951



31, 69.805, 39.643



2, 7.719, 20.285

Inverse Universe

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



64, 36.834, 198.377



80, 44.669, 198.419



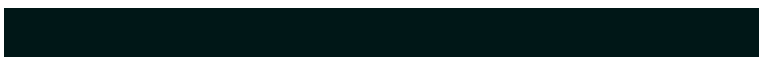
38, 53.533, 283.606



36, 3.556, 200.111



56, 33.206, 198.361



6, 7.653, 201.035

Previews

White Background



This preview shows how the CIELCh color 36, 77.749, 39.913 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 36, 77.749, 39.913 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 36, 77.749, 39.913

Background



This preview shows how black text looks on a background with the CIELCh color 36, 77.749, 39.913.



This preview shows how white text looks on a background with the CIELCh color 36, 77.749, 39.913.

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

36, 77.605, 39.897

Protanopia

37, 37.757, 96.270

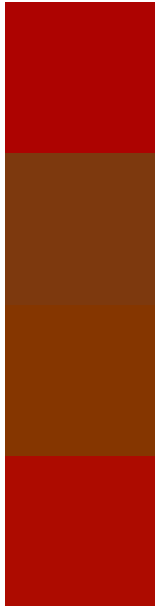
Deuteranopia

37, 45.363, 84.844



Tritanopia
36, 76.406, 41.109

Trichromacy



Original Color
36, 77.605, 39.897

Protanomaly
33, 46.505, 54.654

Deuteranomaly
33, 54.534, 54.612

Tritanomaly
36, 77.225, 40.686

Monochromacy



Original Color
36, 77.605, 39.897

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 31.395, 28.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 77.749, 39.913 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(173, 3, 1)` looks like.

```
.text, #text, p{  
    color:rgb(173, 3, 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(173, 3, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 3, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 77.749, 39.913 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(173, 3, 1) }
```

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

```
.border{ border-color:rgb(173, 3, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 3, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 3, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(173, 3, 1); box-shadow:4px  
4px 4px 4px rgb(173, 3, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 77.749, 39.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 3, 1) }
```

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

```
.background{ background-color: rgb(173, 3,  
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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