

Converting Colors

CIELCh(36, 77.491, 40.757)

Have a look what the booklet for
CIELCh(36, 77.491, 40.757) contains.

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Color

CIELCh(36, 77.032, 40.545)

Conversions

Conversions Part 1

Format	Color
Hex	AC0A00
RGB	172, 10, 0
RGB Percent	67%, 4%, 0%
CMY	0.3245, 0.9623, 0.9993
CMYK	0.00, 0.94, 1.00, 0.32
HSL	3°, 100%, 34%
HSV	3°, 100%, 68%
XYZ	17.1746, 9.0082, 0.8386
YIQ	57.2980, 99.7620, 31.2340

Conversions

Conversions Part 2

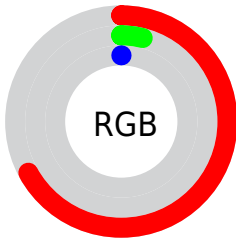
Format	Color
RYB	172, 11, 0
Decimal	11274752
CIELab	36.00, 58.54, 50.07
CIElCh	36, 77.032, 40.545
Yxy	9.0082, 0.6356, 0.3334
Android (android.graphics.Color)	4289464832 (0xFFAC0A00)
YUV	57.2980, -28.2479, 100.5937
Hunter-Lab	30.0136, 49.6189, 19.3529

Details

The CIELCh color **36, 77.032, 40.545** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 34.754, 205.496**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 77.023, 40.500**, and **21, 53.487, 36.780** is the 20% darker color. If you saturate the color by 10%, you get **36, 77.087, 40.577**, and if you desaturate by 10%, it is **37, 71.075, 38.113**.

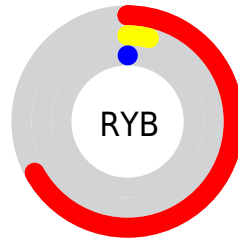
Distribution



Red (67%)

Green (4%)

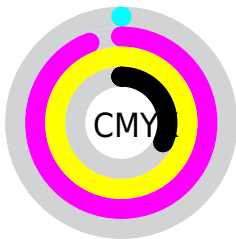
Blue (0%)



Red (67%)

Yellow (4%)

Blue (0%)

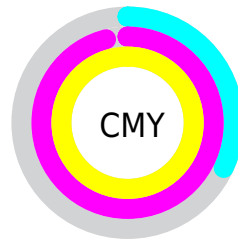


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 77.032, 40.545 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, 77.032, 40.545 by changing the saturation by 10% instead.

■ 36, 77.032, 40.545

■ 36, 77.032, 40.545

■ 100, 77.032,
40.545

■ 26, 77.032, 40.545

■ 56, 77.032, 40.545

■ 16, 77.032, 40.545

■ 66, 77.032, 40.545

■ 6, 77.032, 40.545

■ 76, 77.032, 40.545

■ 0, 77.032, 40.545

■ 86, 77.032, 40.545

■ 96, 77.032, 40.545

■ 36, 77.032, 40.545

■ 36, 77.032, 40.545

■ 36, 77.087, 40.577

■ 37, 71.075, 38.113

■ 39, 63.365, 35.380

■ 41, 54.712, 32.667

■ 45, 45.817, 30.357

■ 48, 37.042, 28.518

■ 52, 28.605, 27.104

■ 57, 20.638, 26.032

■ 61, 13.202, 25.224

■ 66, 6.309, 24.593

Harmonies

Complementary

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



36, 77.032, 40.545



61, 34.754, 205.496

Rectangle

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



36, 77.032, 40.545



36, 77.032, 90.545



36, 77.032, 220.545



36, 77.032, 270.545

Sweetspot

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



36, 77.029, 40.547



72, 25.742, 26.092



40, 82.814, 330.312



36, 17.817, 26.499



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, 77.029, 40.547



47, 94.243, 40.458



48, 62.324, 65.090



34, 3.619, 24.558



31, 69.237, 40.284



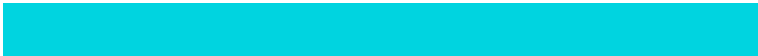
2, 7.463, 23.304

Inverse Universe

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



61, 34.754, 205.496



78, 42.298, 205.679



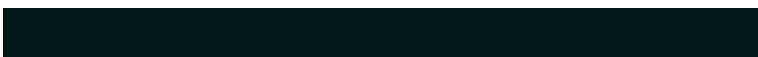
35, 58.984, 288.322



36, 3.412, 204.000



54, 31.485, 205.397



6, 7.224, 206.619

Previews

White Background



This preview shows how the CIELCh color 36, 77.032, 40.545 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, 77.032, 40.545 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, 77.032, 40.545

Background



This preview shows how black text looks on a background with the CIELCh color 36, 77.032, 40.545.



This preview shows how white text looks on a background with the CIELCh color 36, 77.032, 40.545.

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, 76.954, 40.615

Protanopia

37, 37.406, 95.416

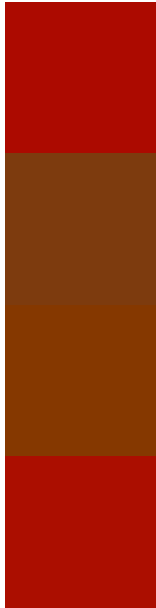
Deuteranopia

37, 45.363, 84.844



Tritanopia
36, 76.051, 41.117

Trichromacy



Original Color
36, 76.954, 40.615

Protanomaly
33, 46.177, 56.047

Deuteranomaly
34, 54.137, 55.666

Tritanomaly
36, 76.253, 40.932

Monochromacy



Original Color
36, 76.954, 40.615

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 30.765, 30.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 77.032, 40.545 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(172, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 10, 0)  
}
```

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(172, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 10, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 77.032, 40.545 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(172, 10, 0) }
```

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

```
.border{ border-color:rgb(172, 10, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 10, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 10, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 77.032, 40.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 10, 0) }
```

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

```
.background{ background-color: rgb(172, 10,  
0) }
```

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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