

Converting Colors

CIELCh(36, 67.690, 26.541)

Have a look what the booklet for
CIELCh(36, 67.690, 26.541) contains.

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Color

CIELCh(36, 67.868, 26.802)

Conversions

Conversions Part 1

Format	Color
Hex	AD0028
RGB	173, 0, 40
RGB Percent	68%, 0%, 16%
CMY	0.3228, 0.9987, 0.8440
CMYK	0.00, 1.00, 0.77, 0.32
HSL	346°, 100%, 34%
HSV	346°, 100%, 68%
XYZ	17.5493, 9.0082, 2.8028
YIQ	56.2870, 90.2680, 49.1160

Conversions

Conversions Part 2

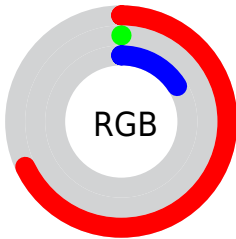
Format	Color
RYB	173, 0, 40
Decimal	11337768
CIELab	36.00, 60.58, 30.60
CIElCh	36, 67.868, 26.802
Yxy	9.0082, 0.5977, 0.3068
Android (android.graphics.Color)	4289527848 (0xFFAD0028)
YUV	56.2870, -8.0295, 102.3573
Hunter-Lab	30.0136, 51.8470, 15.4727

Details

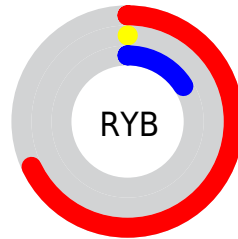
The CIELCh color **36, 67.868, 26.802** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **63, 48.059, 168.161**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 68.194, 26.643**, and **22, 54.749, 37.089** is the 20% darker color. If you saturate the color by 10%, you get **36, 67.958, 26.899**, and if you desaturate by 10%, it is **37, 63.357, 21.669**.

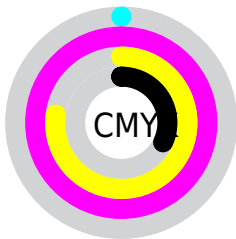
Distribution



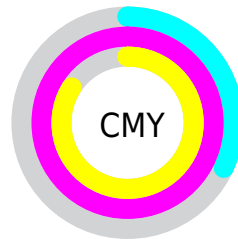
- Red (68%)
- Green (0%)
- Blue (16%)



- Red (68%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 67.868, 26.802 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, 67.868, 26.802 by changing the saturation by 10% instead.

 36, 67.868, 26.802

 36, 67.868, 26.802

 100, 67.868,
26.802

 26, 67.868, 26.802

 56, 67.868, 26.802

 16, 67.868, 26.802

 66, 67.868, 26.802

 6, 67.868, 26.802

 76, 67.868, 26.802

 0, 67.868, 26.802

 86, 67.868, 26.802

 96, 67.868, 26.802

 36, 67.868, 26.802

 36, 67.868, 26.802

 36, 67.958, 26.899

 37, 63.357, 21.669

■ 39, 58.211, 17.025

■ 41, 52.085, 13.230

■ 44, 45.104, 10.211

■ 48, 37.548, 7.818

■ 52, 29.729, 5.904

■ 56, 21.906, 4.345

■ 61, 14.258, 3.047

■ 66, 6.895, 1.926

Harmonies

Complementary

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



36, 67.868, 26.802



63, 48.059, 168.161

Rectangle

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



36, 67.868, 26.802



36, 67.868, 76.802



36, 67.868, 206.802



36, 67.868, 256.802

Sweetspot

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



36, 67.865, 26.804



72, 27.322, 4.448



34, 88.309, 319.600



35, 18.749, 5.055



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, 67.865, 26.804



47, 83.338, 27.978



39, 71.561, 46.069



34, 3.990, 1.873



31, 61.085, 26.211



2, 8.112, 4.267

Inverse Universe

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



36, 67.865, 26.804



47, 83.338, 27.978



50, 34.759, 249.298



34, 3.990, 1.873



31, 61.085, 26.211



2, 8.112, 4.267

Previews

White Background



This preview shows how the CIELCh color 36, 67.868, 26.802 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 CIE LCh color 36, 67.868, 26.802 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, 67.868, 26.802

Background



This preview shows how black text looks on a background with the CIELCh color 36, 67.868, 26.802.



This preview shows how white text looks on a background with the CIELCh color 36, 67.868, 26.802.

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, 67.955, 26.721

Protanopia

37, 17.398, 96.385

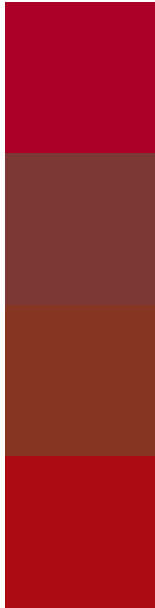
Deuteranopia

37, 35.084, 81.547



Tritanopia
36, 74.102, 39.094

Trichromacy



Original Color
36, 67.955, 26.721

Protanomaly
32, 32.908, 28.685

Deuteranomaly
33, 44.272, 41.624

Tritanomaly
36, 71.996, 35.564

Monochromacy



Original Color
36, 67.955, 26.721

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 29.991, 10.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 67.868, 26.802 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, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 40)  
}
```

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, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 67.868, 26.802 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, 0, 40) }
```

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

```
.border{ border-color:rgb(173, 0, 40) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 67.868, 26.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 40) }
```

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

```
.background{ background-color: rgb(173, 0,  
40) }
```

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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