

Converting Colors

CIELCh(36, 67.948, 27.896)

Have a look what the booklet for
CIELCh(36, 67.948, 27.896) contains.

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Color

CIELCh(36, 67.821, 27.763)

Conversions

Conversions Part 1

Format	Color
Hex	AC0326
RGB	172, 3, 38
RGB Percent	67%, 1%, 15%
CMY	0.3247, 0.9864, 0.8505
CMYK	0.00, 0.98, 0.78, 0.32
HSL	348°, 96%, 34%
HSV	348°, 98%, 68%
XYZ	17.4453, 9.0082, 2.6642
YIQ	57.5210, 89.4890, 46.7130

Conversions

Conversions Part 2

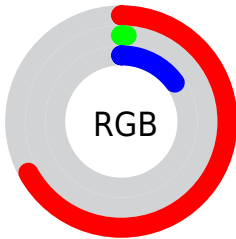
Format	Color
RYB	172, 3, 38
Decimal	11272998
CIELab	36.00, 60.01, 31.59
CIElCh	36, 67.821, 27.763
Yxy	9.0082, 0.5991, 0.3094
Android (android.graphics.Color)	4289463078 (0xFFAC0326)
YUV	57.5210, -9.6239, 100.3981
Hunter-Lab	30.0136, 51.2287, 15.7465

Details

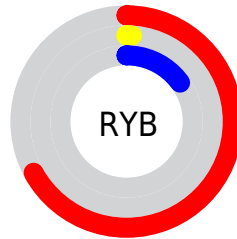
The CIELCh color **36, 67.821, 27.763** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **63, 46.204, 170.755**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 67.938, 27.739**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 68.812, 28.730**, and if you desaturate by 10%, it is **37, 62.991, 22.668**.

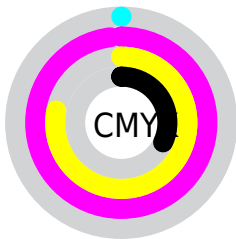
Distribution



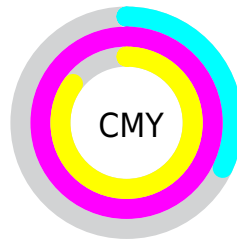
- Red (67%)
- Green (1%)
- Blue (15%)



- Red (67%)
- Yellow (1%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (78%)
- Black (32%)



- Cyan (32%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 67.821, 27.763 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, 67.821, 27.763 by changing the saturation by 10% instead.

 36, 67.821, 27.763

 36, 67.821, 27.763

 100, 67.821,
27.763

 26, 67.821, 27.763

 56, 67.821, 27.763

 16, 67.821, 27.763

 66, 67.821, 27.763

 6, 67.821, 27.763

 76, 67.821, 27.763

 0, 67.821, 27.763

 86, 67.821, 27.763

 96, 67.821, 27.763

 36, 67.821, 27.763

 36, 67.821, 27.763

 36, 68.812, 28.730

 37, 62.991, 22.668

■ 39, 57.404, 18.155

■ 41, 50.910, 14.469

■ 45, 43.673, 11.536

■ 48, 35.976, 9.212

■ 53, 28.116, 7.353

■ 57, 20.327, 5.841

■ 62, 12.768, 4.582

■ 67, 5.528, 3.485

Harmonies

Complementary

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



36, 67.821, 27.763



63, 46.204, 170.755

Rectangle

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



36, 67.821, 27.763



36, 67.821, 77.763



36, 67.821, 207.763



36, 67.821, 257.763

Sweetspot

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



36, 67.818, 27.765



72, 26.210, 6.054



35, 87.376, 320.247



36, 18.108, 6.660



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, 67.818, 27.765



47, 84.628, 29.795



40, 69.554, 46.806



34, 3.955, 3.627



31, 61.967, 28.068



2, 8.055, 5.752

Inverse Universe

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



36, 67.818, 27.765



47, 84.628, 29.795



49, 35.130, 251.747



34, 3.955, 3.627



31, 61.967, 28.068



2, 8.055, 5.752

Previews

White Background



This preview shows how the CIELCh color 36, 67.821, 27.763 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, 67.821, 27.763 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, 67.821, 27.763

Background



This preview shows how black text looks on a background with the CIELCh color 36, 67.821, 27.763.



This preview shows how white text looks on a background with the CIELCh color 36, 67.821, 27.763.

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, 67.821, 27.763

Protanopia

37, 18.121, 95.091

Deuteranopia

37, 35.777, 82.686



Tritanopia
36, 74.663, 39.450

Trichromacy



Original Color
36, 67.821, 27.763

Protanomaly
33, 33.032, 31.581

Deuteranomaly
33, 44.269, 43.559

Tritanomaly
36, 72.526, 36.195

Monochromacy



Original Color
36, 67.821, 27.763

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 29.907, 11.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 67.821, 27.763 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, 3, 38)` looks like.

```
.text, #text, p{  
    color:rgb(172, 3, 38)  
}
```

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, 3, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 3, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 67.821, 27.763 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, 3, 38) }
```

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

```
.border{ border-color:rgb(172, 3, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 3, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 3, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 3, 38);  
box-shadow:4px 4px 4px 4px rgb(172, 3, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 67.821, 27.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 3, 38) }
```

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

```
.background{ background-color: rgb(172, 3,  
38) }
```

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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