

Converting Colors

CIELCh(36, 67.977, 27.701)

Have a look what the booklet for
CIELCh(36, 67.977, 27.701) contains.

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Color

CIELCh(36, 67.907, 27.681)

Conversions

Conversions Part 1

Format	Color
Hex	AC0326
RGB	172, 3, 38
RGB Percent	67%, 1%, 15%
CMY	0.3242, 0.9892, 0.8501
CMYK	0.00, 0.98, 0.78, 0.32
HSL	347°, 97%, 34%
HSV	347°, 98%, 68%
XYZ	17.4676, 9.0082, 2.6706
YIQ	57.5210, 89.4890, 46.7130

Conversions

Conversions Part 2

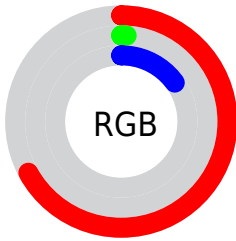
Format	Color
R_{YB}	172, 3, 38
Decimal	11272998
CIE Lab	36.00, 60.13, 31.55
CIE LCh	36, 67.907, 27.681
Yxy	9.0082, 0.5993, 0.3091
Android (android.graphics.Color)	4289463078 (0xFFAC0326)
YUV	57.5210, -9.6239, 100.3981
Hunter-Lab	30.0136, 51.3616, 15.7340

Details

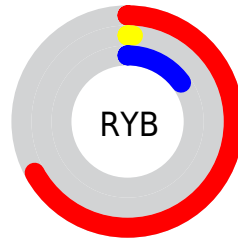
The CIELCh color **36, 67.907, 27.681** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **63, 46.520, 170.320**, and the grayscale version is **24, 0.004, 296.813**.

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, 68.691, 28.451**, and if you desaturate by 10%, it is **37, 63.131, 22.577**.

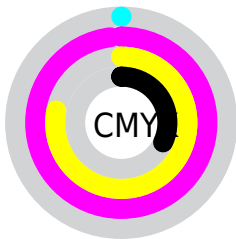
Distribution



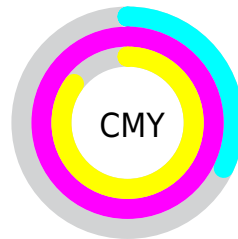
- Red (67%)
- Green (1%)
- Blue (15%)



- 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, 67.907, 27.681 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, 67.907, 27.681 by changing the saturation by 10% instead.

 36, 67.907, 27.681

 36, 67.907, 27.681

 100, 67.907,
27.681

 26, 67.907, 27.681

 56, 67.907, 27.681

 16, 67.907, 27.681

 66, 67.907, 27.681

 6, 67.907, 27.681

 76, 67.907, 27.681

 0, 67.907, 27.681

 86, 67.907, 27.681

 96, 67.907, 27.681

 36, 67.907, 27.681

 36, 67.907, 27.681

 36, 68.691, 28.451

 37, 63.131, 22.577

■ 39, 57.622, 18.032

■ 41, 51.195, 14.318

■ 45, 44.002, 11.362

■ 48, 36.329, 9.020

■ 52, 28.472, 7.147

■ 57, 20.674, 5.623

■ 62, 13.095, 4.354

■ 66, 5.830, 3.253

Harmonies

Complementary

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



36, 67.907, 27.681



63, 46.520, 170.320

Rectangle

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



36, 67.907, 27.681



36, 67.907, 77.681



36, 67.907, 207.681



36, 67.907, 257.681

Sweetspot

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



36, 67.904, 27.683



72, 27.192, 5.924



34, 87.541, 320.229



35, 18.671, 6.533



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, 67.904, 27.683



47, 84.423, 29.518



40, 69.870, 46.800



34, 3.960, 3.351



31, 61.825, 27.784



2, 8.063, 5.519

Inverse Universe

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



36, 67.904, 27.683



47, 84.423, 29.518



49, 35.225, 251.937



34, 3.960, 3.351



31, 61.825, 27.784



2, 8.063, 5.519

Previews

White Background



This preview shows how the CIELCh color 36, 67.907, 27.681 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, 67.907, 27.681 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, 67.907, 27.681

Background



This preview shows how black text looks on a background with the CIELCh color 36, 67.907, 27.681.



This preview shows how white text looks on a background with the CIELCh color 36, 67.907, 27.681.

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, 35.999, 81.949



Tritanopia
36, 74.663, 39.450

Trichromacy



Original Color
36, 67.821, 27.763

Protanomaly
32, 33.358, 30.672

Deuteranomaly
33, 44.724, 43.425

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, 67.907, 27.681 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, 67.907, 27.681 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, 67.907, 27.681 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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