

Converting Colors

CIELCh(34, 67.264, 8.671)

Have a look what the booklet for
CIELCh(34, 67.264, 8.671) contains.

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Color

CIELCh(36, 62.615, 11.883)

Conversions

Conversions Part 1

Format	Color
Hex	AA0143
RGB	170, 1, 67
RGB Percent	67%, 0%, 26%
CMY	0.3320, 0.9968, 0.7363
CMYK	0.00, 1.00, 0.61, 0.33
HSL	336°, 99%, 34%
HSV	336°, 100%, 67%
XYZ	17.6783, 9.0082, 6.1561
YIQ	59.0550, 79.5380, 56.3540

Conversions

Conversions Part 2

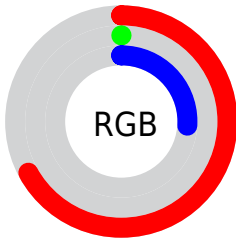
Format	Color
RYB	170, 1, 67
Decimal	11141443
CIELab	36.00, 61.27, 12.89
CIELCh	36, 62.615, 11.883
Yxy	9.0082, 0.5383, 0.2743
Android (android.graphics.Color)	4289331523 (0xFFAA0143)
YUV	59.0550, 3.9169, 97.2988
Hunter-Lab	30.0136, 52.6146, 8.8485

Details

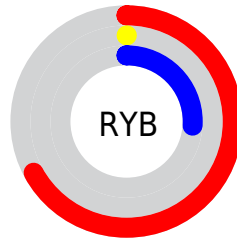
The CIELCh color **36, 62.615, 11.883** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **62, 58.089, 155.536**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 62.414, 11.709**, and **22, 48.128, 24.403** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.732, 12.103**, and if you desaturate by 10%, it is **37, 60.217, 7.256**.

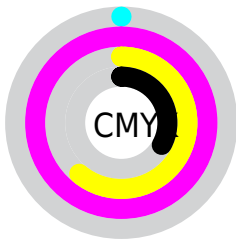
Distribution



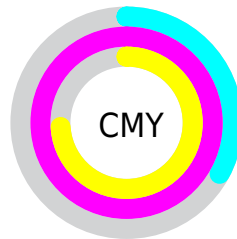
- Red (67%)
- Green (0%)
- Blue (26%)



- Red (67%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 62.615, 11.883 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, 62.615, 11.883 by changing the saturation by 10% instead.

■ 36, 62.615, 11.883

■ 36, 62.615, 11.883

■ 100, 62.615,
11.883

■ 26, 62.615, 11.883

■ 56, 62.615, 11.883

■ 16, 62.615, 11.883

■ 66, 62.615, 11.883

■ 6, 62.615, 11.883

■ 76, 62.615, 11.883

■ 0, 62.615, 11.883

■ 86, 62.615, 11.883

■ 96, 62.615, 11.883

■ 36, 62.615, 11.883

■ 36, 62.615, 11.883

■ 36, 62.732, 12.103

■ 37, 60.217, 7.256

■ 39, 56.738, 3.365

■ 41, 51.794, 0.284

■ 44, 45.578,
357.843

■ 48, 38.446,
355.882

■ 52, 30.771,
354.273

■ 56, 22.866,
352.920

■ 61, 14.957,
351.754

■ 65, 7.191, 350.716

Harmonies

Complementary

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



36, 62.615, 11.883



62, 58.089, 155.536

Rectangle

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



36, 62.615, 11.883



36, 62.615, 61.883



36, 62.615, 191.883



36, 62.615, 241.883

Sweetspot

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



36, 62.612, 11.885



71, 28.828, 353.047



29, 90.047, 314.497



36, 19.880, 353.583



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, 62.612, 11.885



47, 76.576, 13.154



36, 75.414, 41.109



33, 4.228, 350.691



31, 56.478, 11.434



2, 7.359, 353.423

Inverse Universe

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



36, 62.612, 11.885



47, 76.576, 13.154



58, 32.985, 213.997



33, 4.228, 350.691



31, 56.478, 11.434



2, 7.359, 353.423

Previews

White Background



This preview shows how the CIELCh color 36, 62.615, 11.883 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, 62.615, 11.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

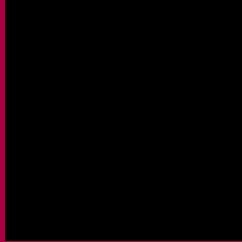
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 62.615, 11.883

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.615, 11.883.



This preview shows how white text looks on a background with the CIELCh color 36, 62.615, 11.883.

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, 62.508, 11.957

Protanopia

37, 6.800, 287.874

Deuteranopia

37, 18.037, 73.734



Tritanopia
37, 67.580, 35.702

Trichromacy



Original Color
36, 62.508, 11.957

Protanomaly
32, 31.371, 348.465

Deuteranomaly
33, 34.908, 17.730

Tritanomaly
36, 64.895, 27.748

Monochromacy



Original Color
36, 62.508, 11.957

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.320, 357.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.615, 11.883 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(170, 1, 67)` looks like.

```
.text, #text, p{  
    color:rgb(170, 1, 67)  
}
```

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(170, 1, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 1, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.615, 11.883 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(170, 1, 67) }
```

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

```
.border{ border-color:rgb(170, 1, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 1, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 1, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 1, 67);  
box-shadow:4px 4px 4px 4px rgb(170, 1, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.615, 11.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 1, 67) }
```

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

```
.background{ background-color: rgb(170, 1,  
67) }
```

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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