

Converting Colors

CIELCh(36, 62.777, 11.264)

Have a look what the booklet for
CIELCh(36, 62.777, 11.264) contains.

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Color

CIELCh(36, 62.851, 11.567)

Conversions

Conversions Part 1

Format	Color
Hex	AB0044
RGB	171, 0, 68
RGB Percent	67%, 0%, 27%
CMY	0.3309, 1.0000, 0.7345
CMYK	0.00, 1.00, 0.60, 0.33
HSL	336°, 100%, 33%
HSV	336°, 100%, 67%
XYZ	17.7344, 9.0082, 6.2263
YIQ	58.8810, 80.0880, 57.4000

Conversions

Conversions Part 2

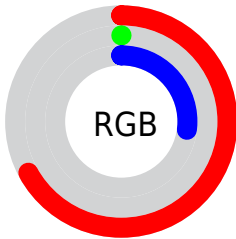
Format	Color
R_{YB}	171, 0, 68
Decimal	11206724
CIE _{Lab}	36.00, 61.57, 12.60
CIE _{LCh}	36, 62.851, 11.567
Yxy	9.0082, 0.5379, 0.2732
Android (android.graphics.Color)	4289396804 (0xFFAB0044)
YUV	58.8810, 4.4957, 98.3284
Hunter-Lab	30.0136, 52.9480, 8.7098

Details

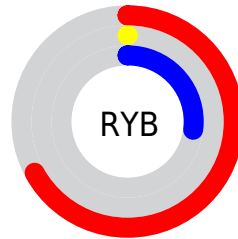
The CIELCh color **36, 62.851, 11.567** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **62, 58.656, 155.121**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 62.735, 11.369**, and **22, 48.279, 23.895** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.752, 11.634**, and if you desaturate by 10%, it is **37, 60.419, 7.026**.

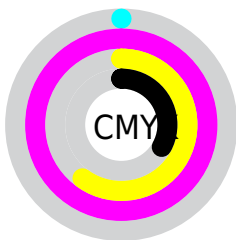
Distribution



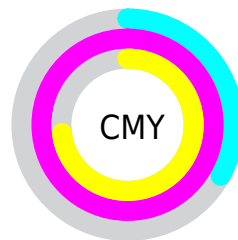
- Red (67%)
- Green (0%)
- Blue (27%)



- Red (67%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 62.851, 11.567 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, 62.851, 11.567 by changing the saturation by 10% instead.

 36, 62.851, 11.567

 36, 62.851, 11.567

 100, 62.851,
11.567

 26, 62.851, 11.567

 56, 62.851, 11.567

 16, 62.851, 11.567

 66, 62.851, 11.567

 6, 62.851, 11.567

 76, 62.851, 11.567

 0, 62.851, 11.567

 86, 62.851, 11.567

 96, 62.851, 11.567

 36, 62.851, 11.567

 36, 62.851, 11.567

 36, 62.752, 11.634

 37, 60.419, 7.026

■ 39, 57.045, 3.127

■ 41, 52.186, 0.038

■ 44, 46.028,
357.593

■ 48, 38.924,
355.628

■ 52, 31.252,
354.016

■ 56, 23.330,
352.660

■ 60, 15.391,
351.493

■ 65, 7.586, 350.455

Harmonies

Complementary

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



36, 62.851, 11.567



62, 58.656, 155.121

Rectangle

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



36, 62.851, 11.567



36, 62.851, 61.567



36, 62.851, 191.567



36, 62.851, 241.567

Sweetspot

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



36, 62.752, 11.634



71, 28.899, 352.728



29, 90.341, 314.473



36, 19.927, 353.261



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, 62.752, 11.634



47, 76.492, 12.671



36, 75.799, 41.225



33, 4.241, 350.383



31, 56.434, 10.963



2, 7.378, 353.141

Inverse Universe

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



36, 62.752, 11.634



47, 76.492, 12.671



58, 33.042, 214.076



33, 4.241, 350.383



31, 56.434, 10.963



2, 7.378, 353.141

Previews

White Background



This preview shows how the CIELCh color 36, 62.851, 11.567 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, 62.851, 11.567 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, 62.851, 11.567

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.851, 11.567.



This preview shows how white text looks on a background with the CIELCh color 36, 62.851, 11.567.

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, 62.851, 11.567

Protanopia

37, 7.416, 288.268

Deuteranopia

37, 18.037, 73.734



Tritanopia
37, 67.297, 35.328

Trichromacy



Original Color
36, 62.851, 11.567

Protanomaly
32, 32.257, 347.134

Deuteranomaly
33, 35.322, 17.051

Tritanomaly
36, 65.027, 27.386

Monochromacy



Original Color
36, 62.851, 11.567

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.675, 358.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.851, 11.567 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(171, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 68)  
}
```

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(171, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.851, 11.567 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(171, 0, 68) }
```

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

```
.border{ border-color:rgb(171, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.851, 11.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 68) }
```

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

```
.background{ background-color: rgb(171, 0,  
68) }
```

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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