

Converting Colors

CIELCh(36, 71.993, 336.027)

Have a look what the booklet for
CIELCh(36, 71.993, 336.027)
contains.

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Color

CIELCh(36, 71.560, 335.912)

Conversions

Conversions Part 1

Format	Color
Hex	9F0085
RGB	159, 0, 133
RGB Percent	62%, 0%, 52%
CMY	0.3777, 1.0000, 0.4795
CMYK	0.00, 1.00, 0.16, 0.38
HSL	310°, 100%, 31%
HSV	310°, 100%, 62%
XYZ	18.4426, 9.0082, 22.8557
YIQ	62.7030, 52.0710, 75.0710

Conversions

Conversions Part 2

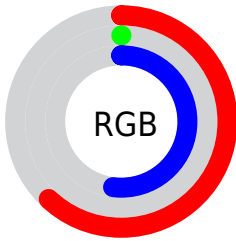
Format	Color
R_YB	159, 0, 133
Decimal	10420357
CIE _{Lab}	36.00, 65.33, -29.21
CIE _{LCh}	36, 71.560, 335.912
Yxy	9.0082, 0.3666, 0.1791
Android (android.graphics.Color)	4288610437 (0xFF9F0085)
YUV	62.7030, 34.6564, 84.4525
Hunter-Lab	30.0136, 57.1602, -24.1406

Details

The CIELCh color **36, 71.560, 335.912** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **57, 80.038, 138.030**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 71.842, 335.653**, and **22, 51.463, 337.190** is the 20% darker color. If you saturate the color by 10%, you get **36, 71.452, 335.918**, and if you desaturate by 10%, it is **37, 70.042, 335.129**.

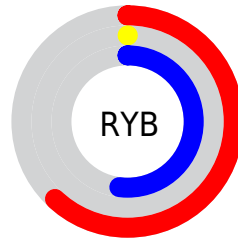
Distribution



Red (62%)

Green (0%)

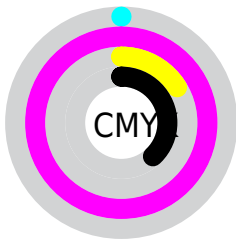
Blue (52%)



Red (62%)

Yellow (0%)

Blue (52%)

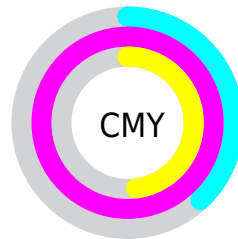


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 71.560, 335.912 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, 71.560, 335.912 by changing the saturation by 10% instead.


 36, 71.560,
335.912


 36, 71.560,
335.912

 100, 71.560,
335.912


 26, 71.560,
335.912

 56, 71.560,
335.912


 16, 71.560,
335.912


 66, 71.560,
335.912

 6, 71.560, 335.912

 76, 71.560,
335.912

 0, 71.560, 335.912

 86, 71.560,
335.912

 96, 71.560,
335.912

■ 36, 71.560,
335.912

■ 36, 71.560,
335.912

■ 36, 71.452,
335.918

■ 37, 70.042,
335.129

■ 38, 67.065,
334.393

■ 40, 62.127,
333.702

■ 43, 55.476,
333.037

■ 46, 47.496,
332.385

■ 49, 38.598,
331.740

■ 53, 29.148,
331.104

■ 57, 19.437,

330.477

■ 61, 9.675, 329.856

Harmonies

Complementary

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



36, 71.560, 335.912



57, 80.038, 138.030

Rectangle

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



36, 71.560, 335.912



36, 71.560, 25.912



36, 71.560, 155.912



36, 71.560, 205.912

Sweetspot

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



36, 71.452, 335.918



68, 36.121, 331.140



19, 92.886, 306.952



34, 24.791, 331.392



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 71.452, 335.918



47, 86.689, 336.093



33, 60.119, 15.767



31, 5.451, 329.808



32, 66.216, 335.837



1, 6.943, 330.276

Inverse Universe

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



36, 71.452, 335.918



47, 86.689, 336.093



58, 52.466, 158.394



31, 5.451, 329.808



32, 66.216, 335.837



1, 6.943, 330.276

Previews

White Background



This preview shows how the CIELCh color 36, 71.560, 335.912 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, 71.560, 335.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

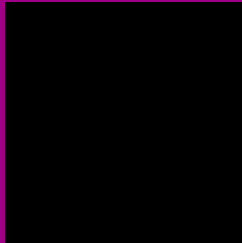
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 71.560, 335.912

Background



This preview shows how black text looks on a background with the CIELCh color 36, 71.560, 335.912.

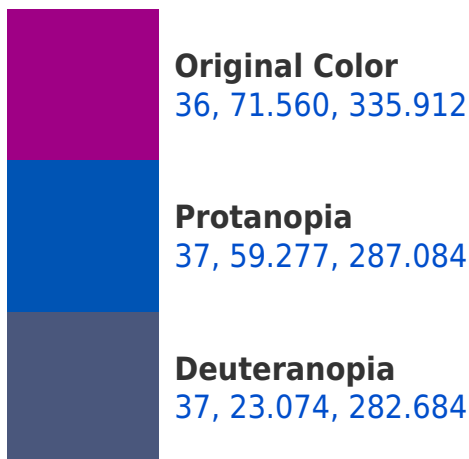


This preview shows how white text looks on a background with the CIELCh color 36, 71.560, 335.912.

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





Tritanopia
37, 46.986, 26.641

Trichromacy



Original Color
36, 71.560, 335.912



Protanomaly
30, 69.079, 301.767



Deuteranomaly
32, 47.485, 317.784



Tritanomaly
35, 52.230, 1.110

Monochromacy



Original Color
36, 71.560, 335.912



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 37.052, 333.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 71.560, 335.912 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(159, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 133)  
}
```

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(159, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 71.560, 335.912 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(159, 0, 133) }
```

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

```
.border{ border-color:rgb(159, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 71.560, 335.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 133) }
```

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

```
.background{ background-color: rgb(159, 0,  
133) }
```

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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