

Converting Colors

CIELCh(36, 73.704, 333.568)

Have a look what the booklet for
CIELCh(36, 73.704, 333.568)
contains.

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Color

CIELCh(36, 73.602, 333.323)

Conversions

Conversions Part 1

Format	Color
Hex	9D008B
RGB	157, 0, 139
RGB Percent	62%, 0%, 55%
CMY	0.3848, 1.0000, 0.4554
CMYK	0.00, 1.00, 0.11, 0.38
HSL	307°, 100%, 31%
HSV	307°, 100%, 62%
XYZ	18.5266, 9.0082, 25.1420
YIQ	62.7890, 48.9530, 76.5130

Conversions

Conversions Part 2

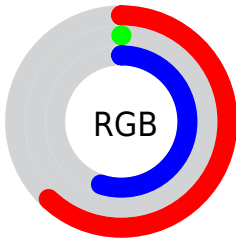
Format	Color
R_{YB}	157, 0, 139
Decimal	10289291
CIE _{Lab}	36.00, 65.77, -33.04
CIE _{LCh}	36, 73.602, 333.323
Yxy	9.0082, 0.3517, 0.1710
Android (android.graphics.Color)	4288479371 (0xFF9D008B)
YUV	62.7890, 37.5720, 82.6230
Hunter-Lab	30.0136, 57.6596, -28.6569

Details

The CIELCh color **36, 73.602, 333.323** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **56, 80.869, 137.246**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 73.717, 333.267**, and **22, 53.241, 333.751** is the 20% darker color. If you saturate the color by 10%, you get **36, 73.556, 333.324**, and if you desaturate by 10%, it is **37, 71.927, 332.790**.

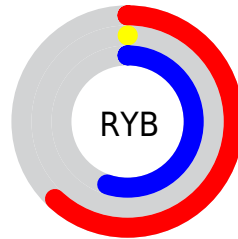
Distribution



Red (62%)

Green (0%)

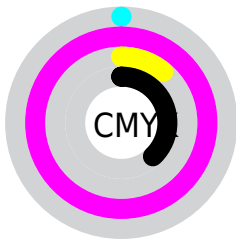
Blue (55%)



Red (62%)

Yellow (0%)

Blue (55%)

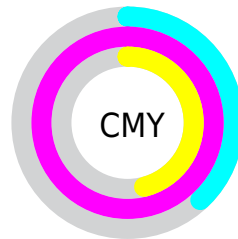


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 73.602, 333.323 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, 73.602, 333.323 by changing the saturation by 10% instead.


 36, 73.602,
333.323


 36, 73.602,
333.323

 100, 73.602,
333.323


 26, 73.602,
333.323

 56, 73.602,
333.323


 16, 73.602,
333.323


 66, 73.602,
333.323

 6, 73.602, 333.323

 76, 73.602,
333.323

 0, 73.602, 333.323

 86, 73.602,
333.323

 96, 73.602,
333.323

■ 36, 73.602,
333.323

■ 36, 73.602,
333.323

■ 36, 73.556,
333.324

■ 37, 71.927,
332.790

■ 38, 68.753,
332.261

■ 40, 63.633,
331.728

■ 42, 56.802,
331.180

■ 45, 48.634,
330.616

■ 49, 39.533,
330.037

■ 52, 29.864,
329.450

■ 56, 19.921,

328.860

■ 60, 9.919, 328.267

Harmonies

Complementary

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



36, 73.602, 333.323



56, 80.869, 137.246

Rectangle

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



36, 73.602, 333.323



36, 73.602, 23.323



36, 73.602, 153.323



36, 73.602, 203.323

Sweetspot

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



36, 73.556, 333.324



67, 36.982, 329.484



18, 92.507, 306.669



33, 25.121, 329.714



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 73.556, 333.324



47, 89.228, 333.435



33, 58.920, 10.948



31, 5.642, 328.222



33, 68.719, 333.278



1, 7.222, 328.441

Inverse Universe

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



36, 73.556, 333.324



47, 89.228, 333.435



57, 55.169, 155.089



31, 5.642, 328.222



33, 68.719, 333.278



1, 7.222, 328.441

Previews

White Background



This preview shows how the CIELCh color 36, 73.602, 333.323 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, 73.602, 333.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

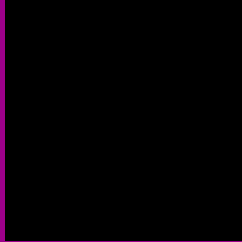
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 73.602, 333.323

Background



This preview shows how black text looks on a background with the CIELCh color 36, 73.602, 333.323.



This preview shows how white text looks on a background with the CIELCh color 36, 73.602, 333.323.

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, 73.602, 333.323

Protanopia

37, 58.709, 286.834

Deuteranopia

37, 26.936, 281.203



Tritanopia
37, 44.117, 25.703

Trichromacy



Original Color
36, 73.602, 333.323

Protanomaly
30, 69.675, 301.650

Deuteranomaly
32, 50.462, 314.243

Tritanomaly
35, 51.436, 358.144

Monochromacy



Original Color
36, 73.602, 333.323

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 38.211, 330.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 73.602, 333.323 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(157, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 0, 139)  
}
```

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(157, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 73.602, 333.323 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(157, 0, 139) }
```

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

```
.border{ border-color:rgb(157, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(157, 0,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 73.602, 333.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 139) }
```

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

```
.background{ background-color: rgb(157, 0,  
139) }
```

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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