

Converting Colors

CIELCh(36, 74.702, 331.961)

Have a look what the booklet for
CIELCh(36, 74.702, 331.961)
contains.

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Color

CIELCh(36, 74.684, 332.105)

Conversions

Conversions Part 1

Format	Color
Hex	9C008E
RGB	156, 0, 142
RGB Percent	61%, 0%, 56%
CMY	0.3885, 1.0000, 0.4434
CMYK	0.00, 1.00, 0.09, 0.39
HSL	305°, 100%, 31%
HSV	305°, 100%, 61%
XYZ	18.5725, 9.0082, 26.3260
YIQ	62.8320, 47.3940, 77.2340

Conversions

Conversions Part 2

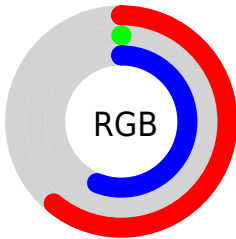
Format	Color
R_{YB}	156, 0, 142
Decimal	10223758
CIE _{Lab}	36.00, 66.01, -34.94
CIE _{LCh}	36, 74.684, 332.105
Yxy	9.0082, 0.3445, 0.1671
Android (android.graphics.Color)	4288413838 (0xFF9C008E)
YUV	62.8320, 39.0298, 81.7083
Hunter-Lab	30.0136, 57.9324, -30.9959

Details

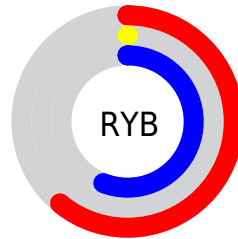
The CIELCh color **36, 74.684, 332.105** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **56, 81.135, 136.927**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 74.708, 332.134**, and **22, 54.408, 331.930** is the 20% darker color. If you saturate the color by 10%, you get **36, 74.659, 332.105**, and if you desaturate by 10%, it is **37, 72.909, 331.684**.

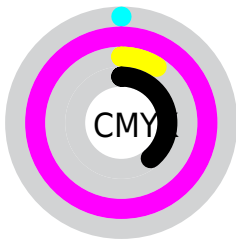
Distribution



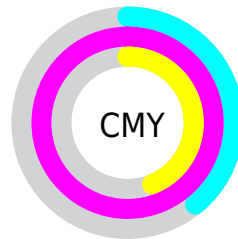
- Red (61%)
- Green (0%)
- Blue (56%)



- Red (61%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (39%)





- Cyan (39%)
- Magenta (100%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 74.684, 332.105 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, 74.684, 332.105 by changing the saturation by 10% instead.


 36, 74.684,
332.105


 36, 74.684,
332.105

 100, 74.684,
332.105


 26, 74.684,
332.105

 56, 74.684,
332.105


 16, 74.684,
332.105


 66, 74.684,
332.105

 6, 74.684, 332.105

 76, 74.684,
332.105

 0, 74.684, 332.105

 86, 74.684,
332.105

 96, 74.684,
332.105

■ 36, 74.684,
332.105

■ 36, 74.684,
332.105

■ 36, 74.659,
332.105

■ 37, 72.909,
331.684

■ 38, 69.629,
331.248

■ 40, 64.410,
330.786

■ 42, 57.484,
330.293

■ 45, 49.217,
329.768

■ 49, 40.010,
329.219

■ 52, 30.229,
328.654

■ 56, 20.167,

328.080

■ 60, 10.043,
327.501

Harmonies

Complementary

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



36, 74.684, 332.105



56, 81.135, 136.927

Rectangle

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



36, 74.684, 332.105



36, 74.684, 22.105



36, 74.684, 152.105



36, 74.684, 202.105

Sweetspot

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



36, 74.659, 332.105



66, 37.235, 328.687



18, 92.208, 306.595



33, 25.551, 328.910



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, 74.659, 332.105



47, 90.149, 332.186



33, 58.541, 9.320



31, 5.741, 327.457



33, 70.045, 332.073



1, 7.370, 327.535

Inverse Universe

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



36, 74.659, 332.105



47, 90.149, 332.186



57, 55.972, 154.074



31, 5.741, 327.457



33, 70.045, 332.073



1, 7.370, 327.535

Previews

White Background



This preview shows how the CIELCh color 36, 74.684, 332.105 looks on a white background.

Color Contrast Check

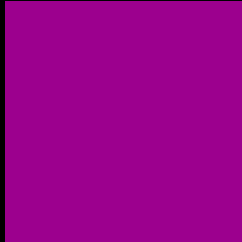
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.684, 332.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

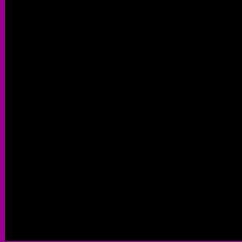
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 74.684, 332.105

Background



This preview shows how black text looks on a background with the CIELCh color 36, 74.684, 332.105.



This preview shows how white text looks on a background with the CIELCh color 36, 74.684, 332.105.

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, 74.684, 332.105

Protanopia
37, 58.709, 286.834

Deuteranopia
37, 28.853, 280.832



Tritanopia
37, 43.155, 25.390

Trichromacy



Original Color
36, 74.684, 332.105



Protanomaly
30, 70.804, 301.730



Deuteranomaly
32, 52.042, 312.895



Tritanomaly
35, 51.086, 356.649

Monochromacy



Original Color
36, 74.684, 332.105



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 38.664, 330.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 74.684, 332.105 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(156, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 142)  
}
```

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(156, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 74.684, 332.105 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(156, 0, 142) }
```

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

```
.border{ border-color:rgb(156, 0, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 74.684, 332.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 142) }
```

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

```
.background{ background-color: rgb(156, 0,  
142) }
```

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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