

Converting Colors

CIELCh(36, 68.912, 338.541)

Have a look what the booklet for
CIELCh(36, 68.912, 338.541)
contains.

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Color

CIELCh(36, 68.837, 338.514)

Conversions

Conversions Part 1

Format	Color
Hex	9F047E
RGB	159, 4, 126
RGB Percent	62%, 2%, 49%
CMY	0.3750, 0.9845, 0.5046
CMYK	0.00, 0.98, 0.21, 0.38
HSL	313°, 95%, 32%
HSV	313°, 98%, 62%
XYZ	18.2000, 9.0082, 20.6287
YIQ	64.2530, 53.2180, 70.8020

Conversions

Conversions Part 2

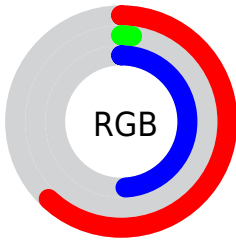
Format	Color
RYB	159, 4, 126
Decimal	10421374
CIELab	36.00, 64.05, -25.21
CIElCh	36, 68.837, 338.514
Yxy	9.0082, 0.3805, 0.1883
Android (android.graphics.Color)	4288611454 (0xFF9F047E)
YUV	64.2530, 30.4413, 83.0931
Hunter-Lab	30.0136, 55.7170, -19.7412

Details

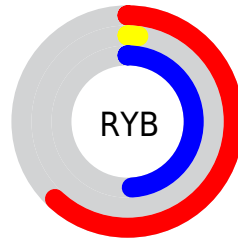
The CIELCh color **36, 68.837, 338.514** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **57, 77.392, 139.374**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 68.715, 338.408**, and **22, 49.423, 340.630** is the 20% darker color. If you saturate the color by 10%, you get **36, 69.116, 338.784**, and if you desaturate by 10%, it is **37, 67.379, 337.443**.

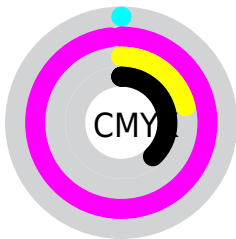
Distribution



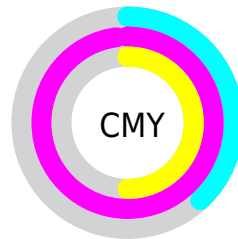
- Red (62%)
- Green (2%)
- Blue (49%)



- Red (62%)
- Yellow (2%)
- Blue (49%)



- Cyan (0%)
- Magenta (98%)
- Yellow (21%)
- Black (38%)





- Cyan (38%)
- Magenta (98%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 68.837, 338.514 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, 68.837, 338.514 by changing the saturation by 10% instead.


 36, 68.837,
338.514


 36, 68.837,
338.514

 100, 68.837,
338.514


 26, 68.837,
338.514

 56, 68.837,
338.514


 16, 68.837,
338.514


 66, 68.837,
338.514

 6, 68.837, 338.514

 76, 68.837,
338.514

 0, 68.837, 338.514

 86, 68.837,
338.514

 96, 68.837,
338.514

■ 36, 68.837,
338.514

■ 36, 68.837,
338.514

■ 36, 69.116,
338.784

■ 37, 67.379,
337.443

■ 38, 64.084,
336.495

■ 41, 58.878,
335.644

■ 43, 52.063,
334.857

■ 47, 44.045,
334.113

■ 50, 35.228,
333.401

■ 54, 25.959,
332.715

■ 58, 16.503,

332.050

■ 62, 7.047, 331.395

Harmonies

Complementary

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



36, 68.837, 338.514



57, 77.392, 139.374

Rectangle

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



36, 68.837, 338.514



36, 68.837, 28.514



36, 68.837, 158.514



36, 68.837, 208.514

Sweetspot

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



36, 68.834, 338.514



68, 33.768, 332.851



20, 91.284, 307.202



34, 23.320, 333.127



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, 68.834, 338.514



47, 83.550, 339.031



33, 60.597, 19.201



31, 5.265, 331.509



32, 63.873, 338.663



1, 6.683, 332.180

Inverse Universe

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



36, 68.834, 338.514



47, 83.550, 339.031



58, 48.875, 162.608



31, 5.265, 331.509



32, 63.873, 338.663



1, 6.683, 332.180

Previews

White Background



This preview shows how the CIELCh color 36, 68.837, 338.514 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, 68.837, 338.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

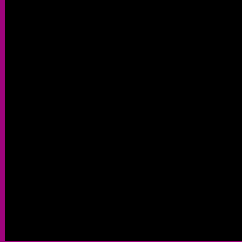
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 68.837, 338.514

Background



This preview shows how black text looks on a background with the CIELCh color 36, 68.837, 338.514.



This preview shows how white text looks on a background with the CIELCh color 36, 68.837, 338.514.

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, 68.698, 338.527

Protanopia

37, 58.694, 286.919

Deuteranopia

37, 19.884, 285.060



Tritanopia
37, 48.449, 27.172

Trichromacy



Original Color
36, 68.698, 338.527



Protanomaly
30, 66.049, 301.252



Deuteranomaly
33, 43.951, 320.968



Tritanomaly
35, 52.317, 3.430

Monochromacy



Original Color
36, 68.698, 338.527



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 35.577, 334.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 68.837, 338.514 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, 4, 126)` looks like.

```
.text, #text, p{  
    color:rgb(159, 4, 126)  
}
```

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, 4, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 4, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 68.837, 338.514 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, 4, 126) }
```

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

```
.border{ border-color:rgb(159, 4, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 4, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 4, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 4, 126);  
box-shadow:4px 4px 4px 4px rgb(159, 4,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 68.837, 338.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 4, 126) }
```

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

```
.background{ background-color: rgb(159, 4,  
126) }
```

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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