

Converting Colors

CIELCh(37, 67.192, 345.640)

Have a look what the booklet for
CIELCh(37, 67.192, 345.640)
contains.

CIELCh(37, 66.974, 345.875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 66.974, 345.875)

Conversions

Conversions Part 1

Format	Color
Hex	A80073
RGB	168, 0, 115
RGB Percent	66%, 0%, 45%
CMY	0.3417, 1.0000, 0.5495
CMYK	0.00, 1.00, 0.32, 0.34
HSL	319°, 100%, 33%
HSV	319°, 100%, 66%
XYZ	19.2042, 9.5379, 17.0138
YIQ	63.3420, 63.2130, 71.3810

Conversions

Conversions Part 2

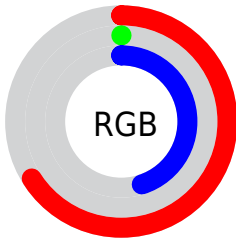
Format	Color
RYB	168, 0, 115
Decimal	11010163
CIELab	37.00, 64.95, -16.34
CIELCh	37, 66.974, 345.875
Yxy	9.5379, 0.4197, 0.2085
Android (android.graphics.Color)	4289200243 (0xFFA80073)
YUV	63.3420, 25.4674, 91.7851
Hunter-Lab	30.8835, 56.9501, -11.0446

Details

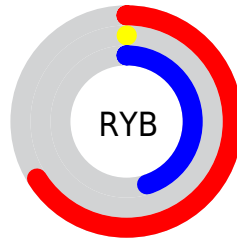
The CIELCh color **37, 66.974, 345.875** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 76.405, 141.787**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 67.063, 345.768**, and **23, 47.816, 351.082** is the 20% darker color. If you saturate the color by 10%, you get **37, 66.930, 345.884**, and if you desaturate by 10%, it is **38, 65.972, 343.986**.

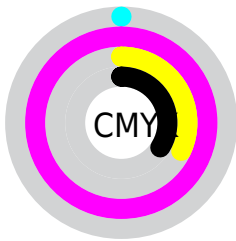
Distribution



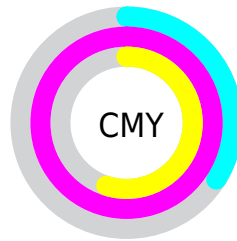
- Red (66%)
- Green (0%)
- Blue (45%)



- Red (66%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 66.974, 345.875 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 37, 66.974, 345.875 by changing the saturation by 10% instead.


 37, 66.974,
345.875


 37, 66.974,
345.875

 100, 66.974,
345.875


 27, 66.974,
345.875

 57, 66.974,
345.875


 17, 66.974,
345.875


 67, 66.974,
345.875

 7, 66.974, 345.875

 77, 66.974,
345.875

 0, 66.974, 345.875

 87, 66.974,
345.875

 97, 66.974,
345.875

■ 37, 66.974,
345.875

■ 37, 66.974,
345.875

■ 37, 66.930,
345.884

■ 38, 65.972,
343.986

■ 39, 63.394,
342.366

■ 42, 58.822,
341.017

■ 44, 52.530,
339.863

■ 48, 44.932,
338.849

■ 51, 36.460,
337.935

■ 55, 27.485,
337.096

■ 60, 18.294,

336.315

■ 64, 9.091, 335.573

Harmonies

Complementary

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



37, 66.974, 345.875



60, 76.405, 141.787

Rectangle

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



37, 66.974, 345.875



37, 66.974, 35.875



37, 66.974, 165.875



37, 66.974, 215.875

Sweetspot

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



37, 66.930, 345.884



71, 34.159, 337.141



22, 94.867, 308.391



35, 23.239, 337.473



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 66.930, 345.884



49, 81.396, 346.322



35, 67.699, 29.026



33, 5.152, 335.521



32, 61.106, 345.641



2, 8.834, 338.240

Inverse Universe

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



37, 66.930, 345.884



49, 81.396, 346.322



61, 45.376, 170.988



33, 5.152, 335.521



32, 61.106, 345.641



2, 8.834, 338.240

Previews

White Background



This preview shows how the CIELCh color 37, 66.974, 345.875 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 37, 66.974, 345.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

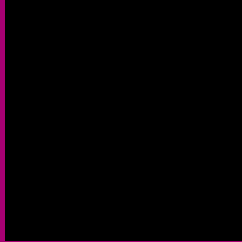
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 66.974, 345.875

Background



This preview shows how black text looks on a background with the CIELCh color 37, 66.974, 345.875.

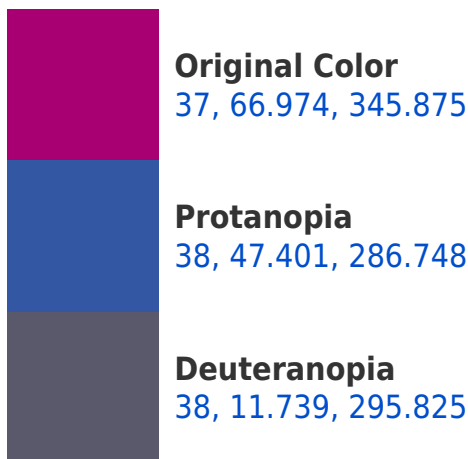


This preview shows how white text looks on a background with the CIELCh color 37, 66.974, 345.875.

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
38, 55.484, 29.732

Trichromacy



Original Color
37, 66.974, 345.875

Protanomaly
32, 57.521, 310.071

Deuteranomaly
34, 39.990, 331.188

Tritanomaly
37, 56.491, 10.732

Monochromacy



Original Color
37, 66.974, 345.875

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 35.237, 339.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 66.974, 345.875 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(168, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 115)  
}
```

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(168, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 66.974, 345.875 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(168, 0, 115) }
```

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

```
.border{ border-color:rgb(168, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 66.974, 345.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 115) }
```

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

```
.background{ background-color: rgb(168, 0,  
115) }
```

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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