

Converting Colors

CIELCh(36, 70.356, 343.764)

Have a look what the booklet for
CIELCh(36, 70.356, 343.764)
contains.

CIELCh(37, 67.616, 344.242)	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, 67.616, 344.242)

Conversions

Conversions Part 1

Format	Color
Hex	A70076
RGB	167, 0, 118
RGB Percent	65%, 0%, 46%
CMY	0.3448, 0.9991, 0.5370
CMYK	0.00, 1.00, 0.29, 0.34
HSL	318°, 100%, 33%
HSV	318°, 100%, 66%
XYZ	19.2289, 9.5379, 17.9883
YIQ	63.3850, 61.6540, 72.1020

Conversions

Conversions Part 2

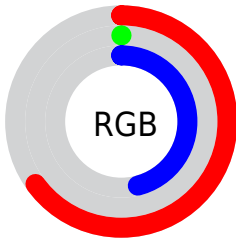
Format	Color
R_{YB}	167, 0, 118
Decimal	10944630
CIE _{Lab}	37.00, 65.07, -18.36
CIE _{LCh}	37, 67.616, 344.242
Yxy	9.5379, 0.4113, 0.2040
Android (android.graphics.Color)	4289134710 (0xFFA70076)
YUV	63.3850, 26.9252, 90.8704
Hunter-Lab	30.8835, 57.0929, -12.9154

Details

The CIELCh color **37, 67.616, 344.242** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 77.267, 141.136**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 67.640, 344.285**, and **23, 48.077, 349.192** is the 20% darker color. If you saturate the color by 10%, you get **37, 67.625, 344.266**, and if you desaturate by 10%, it is **38, 66.618, 342.535**.

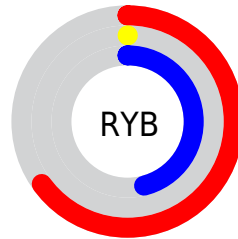
Distribution



Red (65%)

Green (0%)

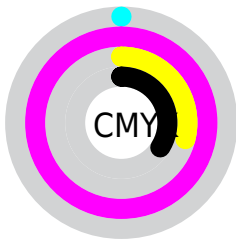
Blue (46%)



Red (65%)

Yellow (0%)

Blue (46%)

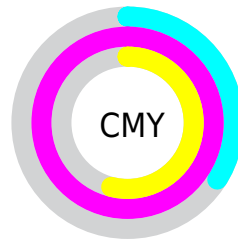


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (34%)



Cyan (34%)

Magenta (100%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 67.616, 344.242 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, 67.616, 344.242 by changing the saturation by 10% instead.


 37, 67.616,
344.242


 37, 67.616,
344.242

 100, 67.616,
344.242


 27, 67.616,
344.242

 57, 67.616,
344.242

 17, 67.616,
344.242

 67, 67.616,
344.242

 7, 67.616, 344.242

 77, 67.616,
344.242

 0, 67.616, 344.242

 87, 67.616,
344.242

 97, 67.616,
344.242

■ 37, 67.616,
344.242

■ 37, 67.616,
344.242

■ 37, 67.625,
344.266

■ 38, 66.618,
342.535

■ 39, 63.976,
341.068

■ 42, 59.335,
339.832

■ 44, 52.969,
338.762

■ 48, 45.292,
337.809

■ 51, 36.734,
336.941

■ 55, 27.668,
336.137

■ 60, 18.380,

335.381

■ 64, 9.074, 334.660

Harmonies

Complementary

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



37, 67.616, 344.242



60, 77.267, 141.136

Rectangle

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



37, 67.616, 344.242



37, 67.616, 34.242



37, 67.616, 164.242



37, 67.616, 214.242

Sweetspot

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



37, 67.613, 344.242



70, 34.345, 336.189



22, 94.726, 308.179



35, 23.585, 336.510



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, 67.613, 344.242



48, 81.817, 344.650



35, 66.677, 27.654



33, 5.234, 334.619



32, 61.950, 344.056



2, 8.986, 337.172

Inverse Universe

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



37, 67.613, 344.242



48, 81.817, 344.650



61, 46.154, 169.371



33, 5.234, 334.619



32, 61.950, 344.056



2, 8.986, 337.172

Previews

White Background



This preview shows how the CIELCh color 37, 67.616, 344.242 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, 67.616, 344.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

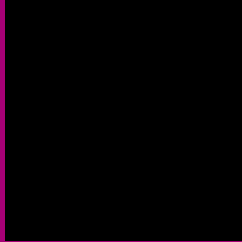
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 67.616, 344.242

Background



This preview shows how black text looks on a background with the CIELCh color 37, 67.616, 344.242.

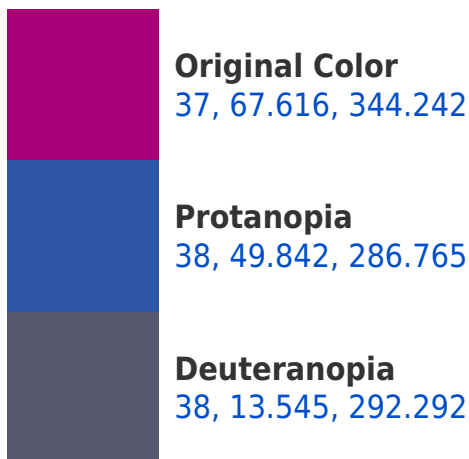


This preview shows how white text looks on a background with the CIELCh color 37, 67.616, 344.242.

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, 54.059, 29.227

Trichromacy



Original Color
37, 67.616, 344.242

Protanomaly
32, 59.751, 308.771

Deuteranomaly
34, 41.160, 329.018

Tritanomaly
37, 55.860, 9.395

Monochromacy



Original Color
37, 67.616, 344.242

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 35.388, 337.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 67.616, 344.242 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(167, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 118)  
}
```

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(167, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 67.616, 344.242 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(167, 0, 118) }
```

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

```
.border{ border-color:rgb(167, 0, 118) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 67.616, 344.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 118) }
```

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

```
.background{ background-color: rgb(167, 0,  
118) }
```

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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