

Converting Colors

CIELCh(37, 67.351, 345.367)

Have a look what the booklet for
CIELCh(37, 67.351, 345.367)
contains.

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Color

CIELCh(37, 67.220, 345.431)

Conversions

Conversions Part 1

Format	Color
Hex	A80074
RGB	168, 0, 116
RGB Percent	66%, 0%, 45%
CMY	0.3422, 1.0000, 0.5460
CMYK	0.00, 1.00, 0.31, 0.34
HSL	319°, 100%, 33%
HSV	319°, 100%, 66%
XYZ	19.2257, 9.5379, 17.2828
YIQ	63.4560, 62.8920, 71.6920

Conversions

Conversions Part 2

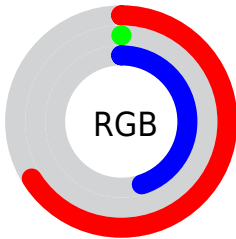
Format	Color
R_{YB}	168, 0, 116
Decimal	11010164
CIE _{Lab}	37.00, 65.06, -16.91
CIE _{LCh}	37, 67.220, 345.431
Yxy	9.5379, 0.4175, 0.2071
Android (android.graphics.Color)	4289200244 (0xFFA80074)
YUV	63.4560, 25.9042, 91.6851
Hunter-Lab	30.8835, 57.0744, -11.5609

Details

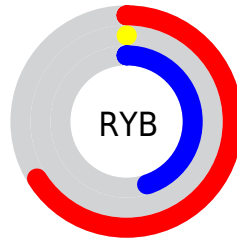
The CIELCh color **37, 67.220, 345.431** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 76.686, 141.602**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 67.316, 345.360**, and **23, 48.023, 350.366** is the 20% darker color. If you saturate the color by 10%, you get **37, 67.134, 345.448**, and if you desaturate by 10%, it is **38, 66.171, 343.601**.

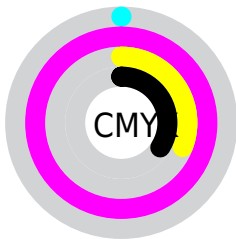
Distribution



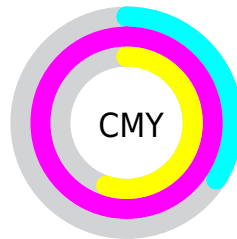
- Red (66%)
- Green (0%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (34%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 67.220, 345.431 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, 67.220, 345.431 by changing the saturation by 10% instead.


 37, 67.220,
345.431


 37, 67.220,
345.431

 100, 67.220,
345.431


 27, 67.220,
345.431

 57, 67.220,
345.431


 17, 67.220,
345.431


 67, 67.220,
345.431

 7, 67.220, 345.431

 77, 67.220,
345.431

 0, 67.220, 345.431

 87, 67.220,
345.431

 97, 67.220,
345.431

■ 37, 67.220,
345.431

■ 37, 67.220,
345.431

■ 37, 67.134,
345.448

■ 38, 66.171,
343.601

■ 39, 63.584,
342.022

■ 42, 59.000,
340.702

■ 44, 52.692,
339.570

■ 48, 45.075,
338.572

■ 51, 36.579,
337.671

■ 55, 27.577,
336.841

■ 60, 18.358,

336.066

■ 64, 9.123, 335.330

Harmonies

Complementary

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



37, 67.220, 345.431



60, 76.686, 141.602

Rectangle

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



37, 67.220, 345.431



37, 67.220, 35.431



37, 67.220, 165.431



37, 67.220, 215.431

Sweetspot

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



37, 67.134, 345.448



71, 34.294, 336.885



22, 94.814, 308.391



35, 23.331, 337.214



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, 67.134, 345.448



49, 81.690, 345.875



35, 67.660, 29.022



33, 5.174, 335.278



32, 61.326, 345.213



2, 8.874, 337.954

Inverse Universe

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



37, 67.134, 345.448



49, 81.690, 345.875



61, 45.351, 170.989



33, 5.174, 335.278



32, 61.326, 345.213



2, 8.874, 337.954

Previews

White Background



This preview shows how the CIELCh color 37, 67.220, 345.431 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 37, 67.220, 345.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

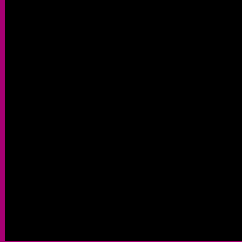
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 67.220, 345.431

Background



This preview shows how black text looks on a background with the CIELCh color 37, 67.220, 345.431.

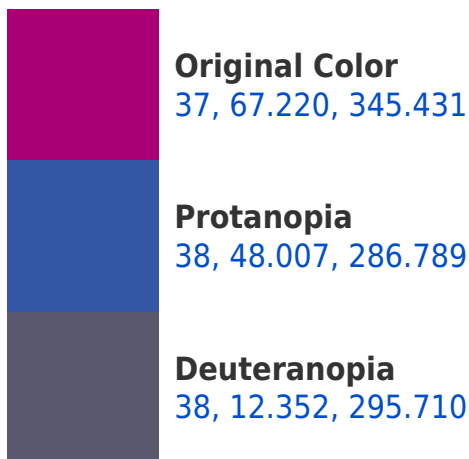


This preview shows how white text looks on a background with the CIELCh color 37, 67.220, 345.431.

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, 54.983, 29.519

Trichromacy



Original Color
37, 67.220, 345.431



Protanomaly
32, 58.075, 309.654



Deuteranomaly
34, 40.426, 330.621



Tritanomaly
37, 56.453, 10.108

Monochromacy



Original Color
37, 67.220, 345.431



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, 67.220, 345.431 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 67.220, 345.431 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, 116) }
```

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

```
.border{ border-color:rgb(168, 0, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 67.220, 345.431 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, 116) }
```

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

```
.background{ background-color: rgb(168, 0,  
116) }
```

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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