

Converting Colors

CIELCh(37, 74.451, 334.460)

Have a look what the booklet for
CIELCh(37, 74.451, 334.460)
contains.

CIELCh(37, 74.086, 334.425)	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, 74.086, 334.425)

Conversions

Conversions Part 1

Format	Color
Hex	A2008C
RGB	162, 0, 140
RGB Percent	64%, 0%, 55%
CMY	0.3655, 1.0000, 0.4517
CMYK	0.00, 1.00, 0.14, 0.37
HSL	308°, 100%, 32%
HSV	308°, 100%, 63%
XYZ	19.5754, 9.5379, 25.5512
YIQ	64.3980, 51.6120, 77.8840

Conversions

Conversions Part 2

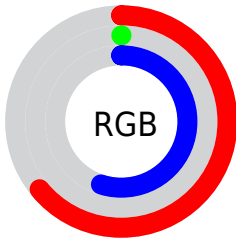
Format	Color
RYB	162, 0, 140
Decimal	10616972
CIELab	37.00, 66.83, -31.98
CIELCh	37, 74.086, 334.425
Yxy	9.5379, 0.3581, 0.1745
Android (android.graphics.Color)	4288807052 (0xFFA2008C)
YUV	64.3980, 37.2718, 85.5970
Hunter-Lab	30.8835, 59.0953, -27.4345

Details

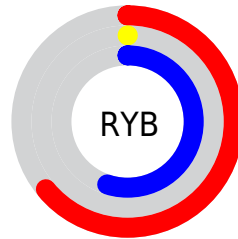
The CIELCh color **37, 74.086, 334.425** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **58, 82.168, 137.530**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 74.334, 334.547**, and **23, 53.750, 334.970** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.017, 334.427**, and if you desaturate by 10%, it is **38, 72.513, 333.786**.

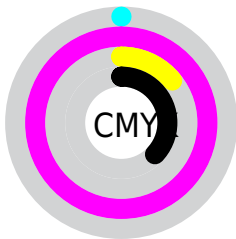
Distribution



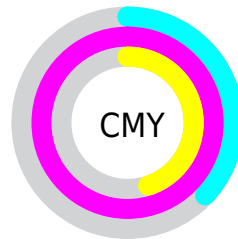
- Red (64%)
- Green (0%)
- Blue (55%)



- Red (64%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 74.086, 334.425 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, 74.086, 334.425 by changing the saturation by 10% instead.


 37, 74.086,
334.425

 37, 74.086,
334.425

 100, 74.086,
334.425

 27, 74.086,
334.425

 57, 74.086,
334.425

 17, 74.086,
334.425

 67, 74.086,
334.425

 7, 74.086, 334.425

 77, 74.086,
334.425

 0, 74.086, 334.425

 87, 74.086,
334.425

 97, 74.086,
334.425

■ 37, 74.086,
334.425

■ 37, 74.086,
334.425

■ 37, 74.017,
334.427

■ 38, 72.513,
333.786

■ 39, 69.397,
333.169

■ 41, 64.280,
332.570

■ 44, 57.405,
331.972

■ 47, 49.159,
331.370

■ 50, 39.961,
330.763

■ 54, 30.186,
330.154

■ 58, 20.133,

329.547

■ 62, 10.023,
328.942

Harmonies

Complementary

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



37, 74.086, 334.425



58, 82.168, 137.530

Rectangle

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



37, 74.086, 334.425



37, 74.086, 24.425



37, 74.086, 154.425



37, 74.086, 204.425

Sweetspot

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



37, 74.017, 334.427



68, 37.187, 330.188



19, 94.389, 306.838



34, 25.267, 330.428



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 74.017, 334.427



48, 89.385, 334.559



34, 60.711, 14.284



32, 5.707, 328.897



33, 68.486, 334.364



1, 8.603, 329.599

Inverse Universe

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



37, 74.017, 334.427



48, 89.385, 334.559



59, 54.334, 157.203



32, 5.707, 328.897



33, 68.486, 334.364



1, 8.603, 329.599

Previews

White Background



This preview shows how the CIELCh color 37, 74.086, 334.425 looks on a white background.

Color Contrast Check

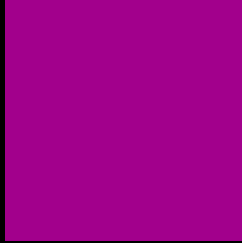
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.086, 334.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

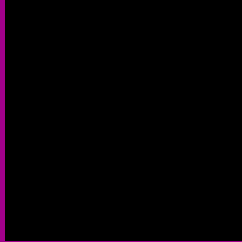
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 74.086, 334.425

Background



This preview shows how black text looks on a background with the CIELCh color 37, 74.086, 334.425.



This preview shows how white text looks on a background with the CIELCh color 37, 74.086, 334.425.

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

37, 74.086, 334.425

Protanopia

38, 59.630, 286.611

Deuteranopia

38, 26.100, 282.528



Tritanopia
38, 46.309, 26.204

Trichromacy



Original Color
37, 74.086, 334.425



Protanomaly
31, 70.598, 301.581



Deuteranomaly
33, 49.940, 315.623



Tritanomaly
36, 52.921, 359.199

Monochromacy



Original Color
37, 74.086, 334.425



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 38.501, 331.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 74.086, 334.425 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(162, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 140)  
}
```

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(162, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 74.086, 334.425 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(162, 0, 140) }
```

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

```
.border{ border-color:rgb(162, 0, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 0, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 74.086, 334.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 140) }
```

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

```
.background{ background-color: rgb(162, 0,  
140) }
```

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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