

Converting Colors

CIELCh(34, 73.411, 315.462)

Have a look what the booklet for
CIELCh(34, 73.411, 315.462)
contains.

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Color

CIELCh(34, 73.401, 315.627)

Conversions

Conversions Part 1

Format	Color
Hex	742AA3
RGB	116, 42, 163
RGB Percent	45%, 16%, 64%
CMY	0.5452, 0.8354, 0.3609
CMYK	0.29, 0.74, 0.00, 0.36
HSL	277°, 59%, 40%
HSV	277°, 74%, 64%
XYZ	14.6338, 8.0082, 35.4111
YIQ	77.9200, 5.2630, 53.3190

Conversions

Conversions Part 2

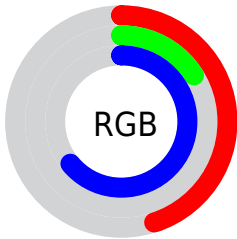
Format	Color
RYB	116, 42, 163
Decimal	7613091
CIELab	34.00, 52.47, -51.33
CIElCh	34, 73.401, 315.627
Yxy	8.0082, 0.2521, 0.1379
Android (android.graphics.Color)	4285803171 (0xFF742AA3)
YUV	77.9200, 41.9444, 33.3962
Hunter-Lab	28.2988, 42.7826, -54.3822

Details

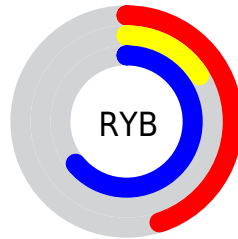
The CIELCh color **34, 73.401, 315.627** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **60, 68.302, 129.896**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 73.353, 315.590**, and **16, 66.092, 313.736** is the 20% darker color. If you saturate the color by 10%, you get **31, 80.258, 315.534**, and if you desaturate by 10%, it is **38, 64.906, 315.484**.

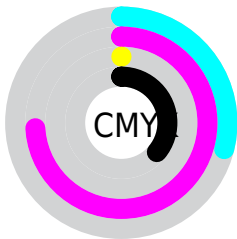
Distribution



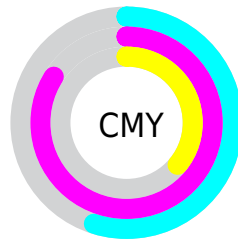
- Red (45%)
- Green (16%)
- Blue (64%)



- Red (45%)
- Yellow (16%)
- Blue (64%)



- Cyan (29%)
- Magenta (74%)
- Yellow (0%)
- Black (36%)




- Cyan (55%)
- Magenta (84%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 73.401, 315.627 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 34, 73.401, 315.627 by changing the saturation by 10% instead.


 34, 73.401,
315.627

 34, 73.401,
315.627

 100, 73.401,
315.627


 24, 73.401,
315.627

 54, 73.401,
315.627


 14, 73.401,
315.627


 64, 73.401,
315.627

 4, 73.401, 315.627

 74, 73.401,
315.627

 0, 73.401, 315.627

 84, 73.401,
315.627

 94, 73.401,
315.627

■ 34, 73.401,
315.627

■ 34, 73.401,
315.627

■ 31, 80.258,
315.534

■ 38, 64.906,
315.484

■ 29, 84.953,
315.125

■ 42, 55.353,
315.183

■ 28, 87.106,
314.831

■ 46, 45.219,
314.789

■ 51, 34.849,
314.350

■ 55, 24.471,
313.897

■ 60, 14.225,
313.451

■ 65, 4.191, 313.008

■ 70, 5.587, 132.672

■ 75, 15.090,
132.298

Harmonies

Complementary

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



34, 73.401, 315.627



60, 68.302, 129.896

Rectangle

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



34, 73.401, 315.627



34, 73.401, 5.627



34, 73.401, 135.627



34, 73.401, 185.627

Sweetspot

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



34, 73.400, 315.627



72, 27.420, 313.814



39, 45.025, 282.220



36, 18.618, 313.930



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 73.400, 315.627



39, 101.460, 315.312



41, 68.722, 331.392



32, 5.622, 313.233



24, 80.036, 314.934



1, 8.544, 310.966

Inverse Universe

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



38, 52.404, 1.846



46, 71.056, 7.927



59, 71.083, 140.019



32, 4.113, 350.907



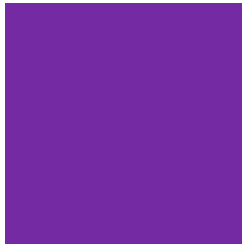
30, 55.789, 11.679



1, 6.171, 352.465

Previews

White Background



This preview shows how the CIELCh color 34, 73.401, 315.627 looks on a white background.

Color Contrast Check

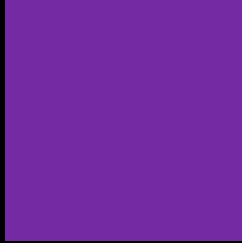
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 73.401, 315.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

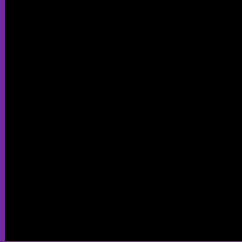
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 73.401, 315.627

Background



This preview shows how black text looks on a background with the CIELCh color 34, 73.401, 315.627.



This preview shows how white text looks on a background with the CIELCh color 34, 73.401, 315.627.

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

34, 73.401, 315.627

Protanopia

34, 54.560, 286.234

Deuteranopia

34, 40.266, 275.294



Tritanopia
34, 12.882, 7.646

Trichromacy



Original Color
34, 73.401, 315.627

Protanomaly
32, 62.092, 295.582

Deuteranomaly
31, 53.062, 292.756

Tritanomaly
33, 33.609, 324.723

Monochromacy



Original Color
34, 73.401, 315.627

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 29.633, 314.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 73.401, 315.627 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(116, 42, 163)` looks like.

```
.text, #text, p{  
    color:rgb(116, 42, 163)  
}
```

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(116, 42, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 42, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 73.401, 315.627 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(116, 42, 163) }
```

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

```
.border{ border-color:rgb(116, 42, 163) }
```

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

Here you see how a box with a 4 pixel rgb(116, 42, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 42, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 42, 163);  
box-shadow:4px 4px 4px 4px rgb(116, 42,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 73.401, 315.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 42, 163) }
```

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

```
.background{ background-color: rgb(116, 42,  
163) }
```

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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