

Converting Colors

CIELCh(36, 74.607, 312.322)

Have a look what the booklet for
CIELCh(36, 74.607, 312.322)
contains.

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Color

CIELCh(36, 74.573, 312.312)

Conversions

Conversions Part 1

Format	Color
Hex	7134AF
RGB	113, 52, 175
RGB Percent	44%, 20%, 69%
CMY	0.5580, 0.7971, 0.3148
CMYK	0.35, 0.70, 0.00, 0.31
HSL	270°, 54%, 44%
HSV	270°, 70%, 69%
XYZ	15.6995, 9.0082, 41.3225
YIQ	84.2610, -3.1270, 51.1850

Conversions

Conversions Part 2

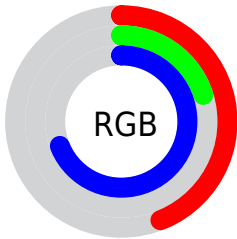
Format	Color
R _{YB}	113, 52, 175
Decimal	7419055
CIE _{Lab}	36.00, 50.20, -55.15
CIE _{LCh}	36, 74.573, 312.312
Yxy	9.0082, 0.2378, 0.1364
Android (android.graphics.Color)	4285609135 (0xFF7134AF)
YUV	84.2610, 44.7343, 25.2041
Hunter-Lab	30.0136, 40.8461, -60.6205

Details

The CIELCh color **36, 74.573, 312.312** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 67.015, 126.161**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 74.548, 312.359**, and **17, 72.042, 311.673** is the 20% darker color. If you saturate the color by 10%, you get **32, 83.183, 312.464**, and if you desaturate by 10%, it is **40, 64.611, 311.949**.

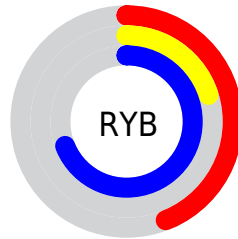
Distribution



Red (44%)

Green (20%)

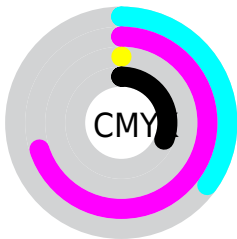
Blue (69%)



Red (44%)

Yellow (20%)

Blue (69%)

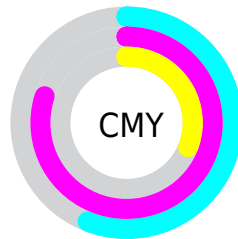


Cyan (35%)

Magenta (70%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (80%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 74.573, 312.312 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 36, 74.573, 312.312 by changing the saturation by 10% instead.


 36, 74.573,
312.312


 36, 74.573,
312.312

 100, 74.573,
312.312


 26, 74.573,
312.312

 56, 74.573,
312.312


 16, 74.573,
312.312


 66, 74.573,
312.312

 6, 74.573, 312.312

 76, 74.573,
312.312

 0, 74.573, 312.312

 86, 74.573,
312.312

 96, 74.573,
312.312

■ 36, 74.573,
312.312

■ 36, 74.573,
312.312

■ 32, 83.183,
312.464

■ 40, 64.611,
311.949

■ 29, 89.703,
312.291

■ 45, 53.929,
311.466

■ 27, 94.019,
311.850

■ 50, 42.968,
310.932

■ 55, 32.007,
310.391

■ 61, 21.209,
309.868

■ 66, 10.659,
309.376

■ 71, 0.401, 308.677

■ 76, 9.550, 128.551

■ 82, 19.192,
128.188

Harmonies

Complementary

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



36, 74.573, 312.312



65, 67.015, 126.161

Rectangle

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



36, 74.573, 312.312



36, 74.573, 2.312



36, 74.573, 132.312



36, 74.573, 182.312

Sweetspot

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



36, 74.572, 312.312



76, 27.057, 309.918



47, 37.544, 269.478



39, 18.526, 310.057



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



36, 74.572, 312.312



41, 105.533, 312.424



45, 75.036, 327.218



34, 5.764, 309.324



23, 84.110, 311.985



1, 11.823, 305.727

Inverse Universe

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



42, 55.338, 352.306



51, 74.726, 356.241



63, 76.209, 137.929



34, 4.656, 344.144



32, 57.293, 0.865



2, 9.158, 348.581

Previews

White Background



This preview shows how the CIELCh color 36, 74.573, 312.312 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 36, 74.573, 312.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

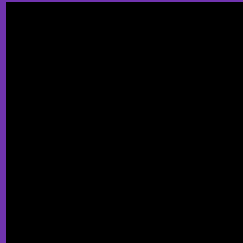
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 74.573, 312.312

Background



This preview shows how black text looks on a background with the CIELCh color 36, 74.573, 312.312.

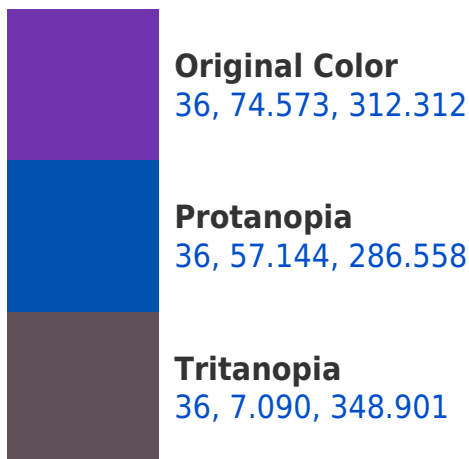


This preview shows how white text looks on a background with the CIELCh color 36, 74.573, 312.312.

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



Trichromacy



Original Color
36, 74.573, 312.312



Protanomaly
34, 63.902, 294.487



Tritanomaly
35, 32.601, 315.278

Monochromacy



Original Color
36, 74.573, 312.312



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 29.363, 310.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 74.573, 312.312 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(113, 52, 175)` looks like.

```
.text, #text, p{  
    color:rgb(113, 52, 175)  
}
```

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(113, 52, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 52, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 74.573, 312.312 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(113, 52, 175) }
```

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

```
.border{ border-color:rgb(113, 52, 175) }
```

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

Here you see how a box with a 4 pixel rgb(113, 52, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 52, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 52, 175);  
box-shadow:4px 4px 4px 4px rgb(113, 52,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 74.573, 312.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 52, 175) }
```

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

```
.background{ background-color: rgb(113, 52,  
175) }
```

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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