

Converting Colors

CIELCh(36, 110.191, 313.061)

Have a look what the booklet for
CIELCh(36, 110.191, 313.061)
contains.

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Color

CIELCh(36, 109.772, 312.984)

Conversions

Conversions Part 1

Format	Color
Hex	7800DA
RGB	120, 0, 218
RGB Percent	47%, 0%, 85%
CMY	0.5305, 1.0000, 0.1461
CMYK	0.45, 1.00, 0.00, 0.15
HSL	273°, 100%, 43%
HSV	273°, 100%, 85%
XYZ	20.3214, 9.0082, 66.8185
YIQ	60.7320, 1.5420, 93.2380

Conversions

Conversions Part 2

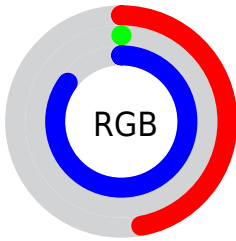
Format	Color
RYB	120, 0, 218
Decimal	7864538
CIELab	36.00, 74.84, -80.30
CIELCh	36, 109.772, 312.984
Yxy	9.0082, 0.2114, 0.0937
Android (android.graphics.Color)	4286054618 (0xFF7800DA)
YUV	60.7320, 77.5331, 51.9780
Hunter-Lab	30.0136, 68.3339, -110.9863

Details

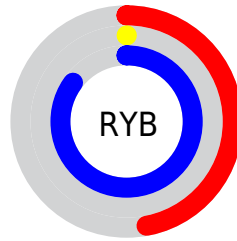
The CIELCh color **36, 109.772, 312.984** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **78, 98.537, 129.769**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.562, 314.746**, and **21, 91.376, 308.918** is the 20% darker color. If you saturate the color by 10%, you get **36, 109.687, 312.970**, and if you desaturate by 10%, it is **38, 105.321, 313.594**.

Distribution



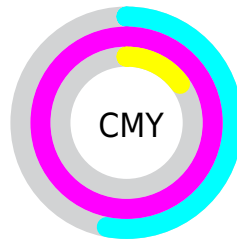
- Red (47%)
- Green (0%)
- Blue (85%)



- Red (47%)
- Yellow (0%)
- Blue (85%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (53%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 109.772, 312.984 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, 109.772, 312.984 by changing the saturation by 10% instead.


 36, 109.772,
312.984


 36, 109.772,
312.984


 100, 109.772,
312.984


 26, 109.772,
312.984


 56, 109.772,
312.984


 16, 109.772,
312.984


 66, 109.772,
312.984

 6, 109.772,
312.984

 76, 109.772,
312.984

 0, 109.772,
312.984

 86, 109.772,
312.984

 96, 109.772,
312.984

■ 36, 109.772,
312.984

■ 36, 109.772,
312.984

■ 36, 109.687,
312.970

■ 38, 105.321,
313.594

■ 42, 98.183,
313.877

■ 46, 88.424,
313.830

■ 51, 76.874,
313.557

■ 56, 64.296,
313.149

■ 62, 51.257,
312.672

■ 68, 38.128,
312.174

■ 74, 25.136,

311.682

■ 81, 12.408,
311.211

Harmonies

Complementary

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



36, 109.772, 312.984



78, 98.537, 129.769

Rectangle

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



36, 109.772, 312.984



36, 109.772, 2.984



36, 109.772, 132.984



36, 109.772, 182.984

Sweetspot

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



36, 109.687, 312.970



79, 43.352, 312.187



45, 69.237, 287.673



39, 29.693, 312.400



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 109.687, 312.970



42, 123.689, 312.869



51, 99.902, 329.617



43, 7.079, 311.185



28, 92.413, 313.143



4, 31.629, 311.411

Inverse Universe

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



47, 74.939, 7.373



55, 84.446, 7.855



76, 105.743, 136.236



43, 5.457, 347.205



37, 63.225, 6.551



6, 24.627, 357.958

Previews

White Background



This preview shows how the CIELCh color 36, 109.772, 312.984 looks on a white background.

Color Contrast Check

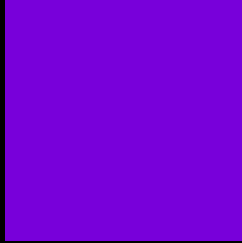
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.772, 312.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

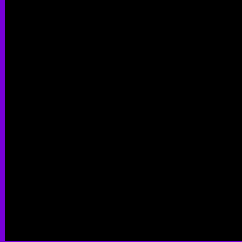
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 109.772, 312.984

Background



This preview shows how black text looks on a background with the CIELCh color 36, 109.772, 312.984.



This preview shows how white text looks on a background with the CIELCh color 36, 109.772, 312.984.

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


36, 109.772, 312.984

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 4.669, 311.803

Trichromacy



Original Color
36, 109.772, 312.984

Protanomaly
31, 84.964, 301.443

Deuteranomaly
31, 73.667, 299.515

Tritanomaly
32, 53.821, 313.448

Monochromacy



Original Color
36, 109.772, 312.984

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 51.824, 313.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 109.772, 312.984 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(120, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 218)  
}
```

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(120, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 109.772, 312.984 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(120, 0, 218) }
```

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

```
.border{ border-color:rgb(120, 0, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 0, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 109.772, 312.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 218) }
```

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

```
.background{ background-color: rgb(120, 0,  
218) }
```

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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