

Converting Colors

CIELCh(36, 102.185, 315.173)

Have a look what the booklet for
CIELCh(36, 102.185, 315.173)
contains.

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Color

CIELCh(36, 102.433, 315.061)

Conversions

Conversions Part 1

Format	Color
Hex	8002CC
RGB	128, 2, 204
RGB Percent	50%, 1%, 80%
CMY	0.4977, 0.9913, 0.1997
CMYK	0.37, 0.99, 0.00, 0.20
HSL	277°, 98%, 40%
HSV	277°, 99%, 80%
XYZ	19.8493, 9.0082, 57.8746
YIQ	62.7020, 10.2540, 89.5340

Conversions

Conversions Part 2

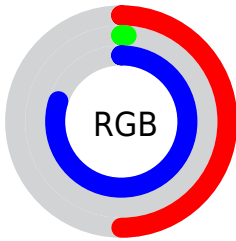
Format	Color
RYB	128, 2, 204
Decimal	8389324
CIELab	36.00, 72.51, -72.35
CIElCh	36, 102.433, 315.061
Yxy	9.0082, 0.2289, 0.1039
Android (android.graphics.Color)	4286579404 (0xFF8002CC)
YUV	62.7020, 69.6599, 57.2663
Hunter-Lab	30.0136, 65.5258, -93.3182

Details

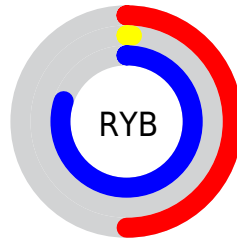
The CIELCh color **36, 102.433, 315.061** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **73, 95.452, 131.558**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.016, 315.664**, and **21, 83.852, 311.070** is the 20% darker color. If you saturate the color by 10%, you get **36, 102.826, 314.994**, and if you desaturate by 10%, it is **38, 98.401, 315.664**.

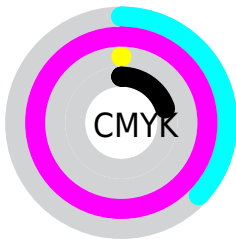
Distribution



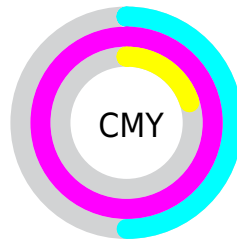
- Red (50%)
- Green (1%)
- Blue (80%)



- Red (50%)
- Yellow (1%)
- Blue (80%)



- Cyan (37%)
- Magenta (99%)
- Yellow (0%)
- Black (20%)





- Cyan (50%)
- Magenta (99%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 102.433, 315.061 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, 102.433, 315.061 by changing the saturation by 10% instead.


 36, 102.433,
315.061


 36, 102.433,
315.061


 100, 102.433,
315.061


 26, 102.433,
315.061


 56, 102.433,
315.061


 16, 102.433,
315.061


 66, 102.433,
315.061

 6, 102.433,
315.061

 76, 102.433,
315.061

 0, 102.433,
315.061

 86, 102.433,
315.061

 96, 102.433,
315.061

■ 36, 102.433,
315.061

■ 36, 102.433,
315.061

■ 36, 102.826,
314.994

■ 38, 98.401,
315.664

■ 41, 91.758,
315.949

■ 45, 82.703,
315.944

■ 50, 71.933,
315.731

■ 55, 60.120,
315.386

■ 60, 47.786,
314.968

■ 65, 35.292,
314.517

■ 71, 22.869,

314.063

■ 77, 10.655,
313.618

Harmonies

Complementary

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



36, 102.433, 315.061



73, 95.452, 131.558

Rectangle

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



36, 102.433, 315.061



36, 102.433, 5.061



36, 102.433, 135.061



36, 102.433, 185.061

Sweetspot

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



36, 102.433, 315.061



79, 43.924, 314.585



38, 75.736, 293.440



39, 30.053, 314.778



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, 102.433, 315.061



45, 121.739, 314.855



47, 88.996, 333.476



40, 6.783, 313.639



29, 87.993, 315.153



3, 25.287, 311.578

Inverse Universe

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



43, 71.843, 13.805



54, 85.527, 15.131



72, 98.417, 137.132



40, 4.914, 351.693



35, 61.667, 13.463



4, 18.940, 0.861

Previews

White Background



This preview shows how the CIELCh color 36, 102.433, 315.061 looks on a white background.

Color Contrast Check

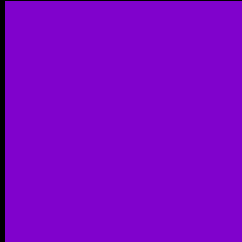
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.433, 315.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

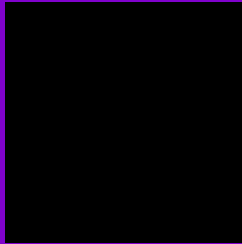
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 102.433, 315.061

Background



This preview shows how black text looks on a background with the CIELCh color 36, 102.433, 315.061.



This preview shows how white text looks on a background with the CIELCh color 36, 102.433, 315.061.

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, 102.433, 315.061

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.722, 273.473



Tritanopia
37, 11.519, 2.583

Trichromacy



Original Color
36, 102.433, 315.061



Protanomaly
31, 81.564, 301.231



Deuteranomaly
31, 71.334, 299.566



Tritanomaly
33, 50.892, 320.900

Monochromacy



Original Color
36, 102.433, 315.061



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 48.476, 315.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 102.433, 315.061 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(128, 2, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 2, 204)  
}
```

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(128, 2, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 2, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 102.433, 315.061 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(128, 2, 204) }
```

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

```
.border{ border-color:rgb(128, 2, 204) }
```

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

Here you see how a box with a 4 pixel rgb(128, 2, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 2, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 2, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 2,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 102.433, 315.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 2, 204) }
```

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

```
.background{ background-color: rgb(128, 2,  
204) }
```

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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