

Converting Colors

CIELCh(36, 102.928, 314.814)

Have a look what the booklet for
CIELCh(36, 102.928, 314.814)
contains.

CIELCh(36, 102.843, 314.808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(36, 102.843, 314.808)

Conversions

Conversions Part 1

Format	Color
Hex	7F03CD
RGB	127, 3, 205
RGB Percent	50%, 1%, 80%
CMY	0.5014, 0.9870, 0.1956
CMYK	0.38, 0.98, 0.00, 0.20
HSL	277°, 97%, 41%
HSV	277°, 98%, 80%
XYZ	19.8430, 9.0082, 58.5312
YIQ	63.1040, 9.0620, 89.1100

Conversions

Conversions Part 2

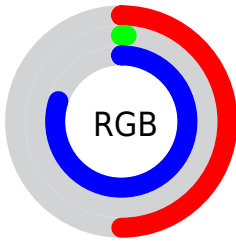
Format	Color
R_{YB}	127, 3, 205
Decimal	8324045
CIE _{Lab}	36.00, 72.48, -72.96
CIE _{LCh}	36, 102.843, 314.808
Yxy	9.0082, 0.2271, 0.1031
Android (android.graphics.Color)	4286514125 (0xFF7F03CD)
YUV	63.1040, 69.9547, 56.0368
Hunter-Lab	30.0136, 65.4885, -94.6152

Details

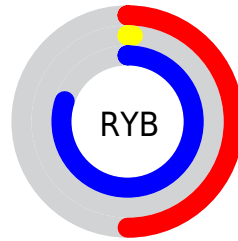
The CIELCh color **36, 102.843, 314.808** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **73, 95.376, 131.275**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.016, 315.664**, and **21, 84.443, 310.866** is the 20% darker color. If you saturate the color by 10%, you get **36, 103.435, 314.708**, and if you desaturate by 10%, it is **38, 98.652, 315.403**.

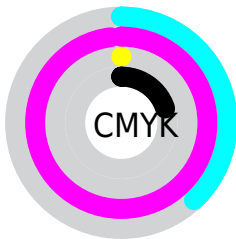
Distribution



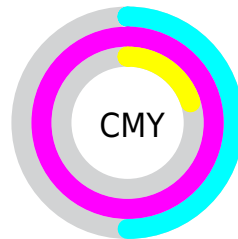
- Red (50%)
- Green (1%)
- Blue (80%)



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



- Cyan (38%)
- Magenta (98%)
- Yellow (0%)
- Black (20%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 102.843, 314.808 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, 102.843, 314.808 by changing the saturation by 10% instead.


 36, 102.843,
314.808


 36, 102.843,
314.808


 100, 102.843,
314.808


 26, 102.843,
314.808


 56, 102.843,
314.808


 16, 102.843,
314.808


 66, 102.843,
314.808

 6, 102.843,
314.808

 76, 102.843,
314.808

 0, 102.843,
314.808

 86, 102.843,
314.808

 96, 102.843,
314.808

■ 36, 102.843,
314.808

■ 36, 102.843,
314.808

■ 36, 103.435,
314.708

■ 38, 98.652,
315.403

■ 41, 91.774,
315.668

■ 45, 82.512,
315.642

■ 50, 71.581,
315.411

■ 55, 59.655,
315.053

■ 60, 47.246,
314.626

■ 66, 34.707,
314.170

■ 72, 22.259,

313.712

■ 78, 10.033,
313.265

Harmonies

Complementary

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



36, 102.843, 314.808



73, 95.376, 131.275

Rectangle

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



36, 102.843, 314.808



36, 102.843, 4.808



36, 102.843, 134.808



36, 102.843, 184.808

Sweetspot

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



36, 102.843, 314.808



79, 43.842, 314.261



39, 73.417, 292.115



39, 30.001, 314.457



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, 102.843, 314.808



45, 121.997, 314.571



48, 90.440, 332.618



40, 6.767, 313.310



28, 88.172, 314.871



3, 25.214, 311.156

Inverse Universe

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



44, 71.818, 12.597



54, 85.286, 14.153



72, 99.148, 136.952



40, 4.943, 351.058



35, 61.532, 12.505



4, 19.002, 0.302

Previews

White Background



This preview shows how the CIE LCh color 36, 102.843, 314.808 looks on a white background.

Color Contrast Check

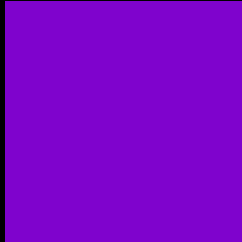
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.843, 314.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

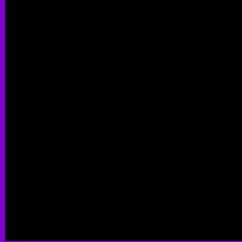
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 102.843, 314.808

Background



This preview shows how black text looks on a background with the CIELCh color 36, 102.843, 314.808.



This preview shows how white text looks on a background with the CIELCh color 36, 102.843, 314.808.

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, 102.843, 314.808

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 10.681, 0.882

Trichromacy



Original Color
36, 102.843, 314.808



Protanomaly
32, 81.522, 300.963



Deuteranomaly
31, 70.706, 299.154



Tritanomaly
33, 50.827, 320.496

Monochromacy



Original Color
36, 102.843, 314.808



Achromatopsia
27, 0.004, 296.813



Achromatomaly
26, 48.997, 315.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 102.843, 314.808 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(127, 3, 205)` looks like.

```
.text, #text, p{  
    color:rgb(127, 3, 205)  
}
```

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(127, 3, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 3, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 102.843, 314.808 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(127, 3, 205) }
```

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

```
.border{ border-color:rgb(127, 3, 205) }
```

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

Here you see how a box with a 4 pixel rgb(127, 3, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 3, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 3, 205);  
box-shadow:4px 4px 4px 4px rgb(127, 3,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 102.843, 314.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 3, 205) }
```

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

```
.background{ background-color: rgb(127, 3,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor