

Converting Colors

CIELCh(36, 102.103, 315.011)

Have a look what the booklet for
CIELCh(36, 102.103, 315.011)
contains.

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Color

CIELCh(36, 102.158, 315.016)

Conversions

Conversions Part 1

Format	Color
Hex	8004CC
RGB	128, 4, 204
RGB Percent	50%, 2%, 80%
CMY	0.4986, 0.9858, 0.2006
CMYK	0.37, 0.98, 0.00, 0.20
HSL	277°, 97%, 41%
HSV	277°, 98%, 80%
XYZ	19.7988, 9.0082, 57.7274
YIQ	63.8760, 9.7040, 88.4880

Conversions

Conversions Part 2

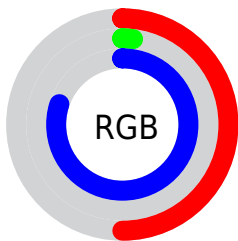
Format	Color
RYB	128, 4, 204
Decimal	8389836
CIELab	36.00, 72.26, -72.22
CIELCh	36, 102.158, 315.016
Yxy	9.0082, 0.2288, 0.1041
Android (android.graphics.Color)	4286579916 (0xFF8004CC)
YUV	63.8760, 69.0811, 56.2367
Hunter-Lab	30.0136, 65.2259, -93.0274

Details

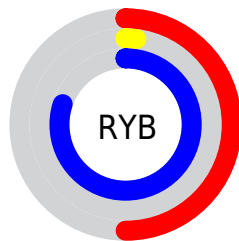
The CIELCh color **36, 102.158, 315.016** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **73, 95.046, 131.424**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.016, 315.664**, and **21, 83.852, 311.070** is the 20% darker color. If you saturate the color by 10%, you get **36, 102.802, 314.906**, and if you desaturate by 10%, it is **38, 97.986, 315.606**.

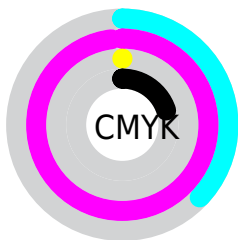
Distribution



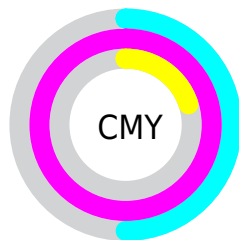
- Red (50%)
- Green (2%)
- Blue (80%)



- Red (50%)
- Yellow (2%)
- Blue (80%)



- Cyan (37%)
- Magenta (98%)
- Yellow (0%)
- Black (20%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 102.158, 315.016 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, 102.158, 315.016 by changing the saturation by 10% instead.


 36, 102.158,
315.016


 36, 102.158,
315.016


 100, 102.158,
315.016


 26, 102.158,
315.016


 56, 102.158,
315.016


 16, 102.158,
315.016


 66, 102.158,
315.016

 6, 102.158,
315.016

 76, 102.158,
315.016

 0, 102.158,
315.016

 86, 102.158,
315.016

 96, 102.158,
315.016

36, 102.158,
315.016

36, 102.158,
315.016

36, 102.802,
314.906

38, 97.986,
315.606

41, 91.139,
315.867

45, 81.929,
315.842

50, 71.062,
315.615

55, 59.201,
315.261

60, 46.855,
314.837

66, 34.374,
314.384

71, 21.980,

313.929

■ 77, 9.803, 313.484

Harmonies

Complementary

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



36, 102.158, 315.016



73, 95.046, 131.424

Rectangle

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



36, 102.158, 315.016



36, 102.158, 5.016



36, 102.158, 135.016



36, 102.158, 185.016

Sweetspot

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



36, 102.158, 315.016



80, 42.402, 314.437



38, 75.087, 293.185



40, 29.185, 314.634



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, 102.158, 315.016



45, 121.820, 314.766



47, 88.842, 333.437



40, 6.778, 313.536



28, 88.049, 315.064



3, 25.264, 311.445

Inverse Universe

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



43, 71.540, 13.152



54, 85.448, 14.825



72, 98.087, 137.194



40, 4.923, 351.493



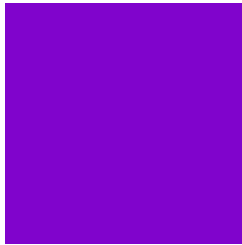
35, 61.622, 13.163



4, 18.959, 0.687

Previews

White Background



This preview shows how the CIELCh color 36, 102.158, 315.016 looks on a white background.

Color Contrast Check

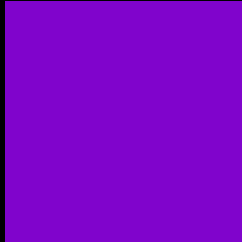
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.158, 315.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

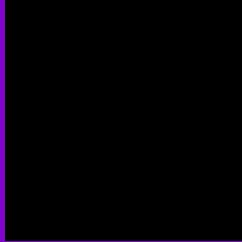
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 102.158, 315.016

Background



This preview shows how black text looks on a background with the CIELCh color 36, 102.158, 315.016.



This preview shows how white text looks on a background with the CIELCh color 36, 102.158, 315.016.

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, 102.158, 315.016

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.722, 273.473



Tritanopia
37, 11.099, 1.762

Trichromacy



Original Color
36, 102.158, 315.016



Protanomaly
31, 80.977, 300.909



Deuteranomaly
31, 70.706, 299.154



Tritanomaly
33, 50.892, 320.900

Monochromacy



Original Color
36, 102.158, 315.016



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 48.403, 315.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 102.158, 315.016 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, 4, 204)` looks like.

```
.text, #text, p{  
  color:rgb(128, 4, 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, 4, 204) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 36, 102.158, 315.016 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, 4, 204) }
```

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

```
.border{ border-color:rgb(128, 4, 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, 4, 204) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 36, 102.158, 315.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 4, 204) }
```

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

```
.background{ background-color: rgb(128, 4,  
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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