

Converting Colors

CIELCh(29, 73.071, 296.896)

Have a look what the booklet for
CIELCh(29, 73.071, 296.896)
contains.

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Color

CIELCh(29, 73.271, 296.972)

Conversions

Conversions Part 1

Format	Color
Hex	0438AC
RGB	4, 56, 172
RGB Percent	2%, 22%, 67%
CMY	0.9836, 0.7803, 0.3253
CMYK	0.98, 0.67, 0.00, 0.33
HSL	221°, 95%, 35%
HSV	221°, 98%, 67%
XYZ	8.9175, 5.8380, 39.7056
YIQ	53.6760, -68.2280, 25.0520

Conversions

Conversions Part 2

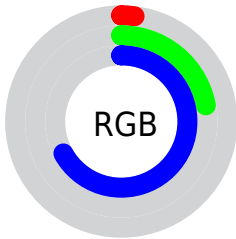
Format	Color
R _Y B	4, 44, 172
Decimal	276652
CIE Lab	29.00, 33.23, -65.30
CIE LCh	29, 73.271, 296.972
Yxy	5.8380, 0.1637, 0.1072
Android (android.graphics.Color)	4278466732 (0xFF0438AC)
YUV	53.6760, 58.3337, -43.5659
Hunter-Lab	24.1619, 23.5958, -80.5186

Details

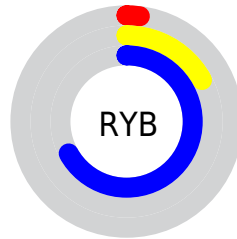
The CIELCh color **29, 73.271, 296.972** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **54, 60.932, 78.598**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 72.780, 296.851**, and **14, 68.356, 303.385** is the 20% darker color. If you saturate the color by 10%, you get **28, 75.222, 297.720**, and if you desaturate by 10%, it is **32, 65.126, 293.561**.

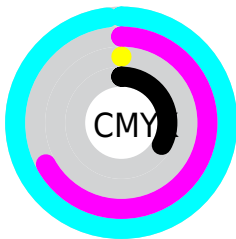
Distribution



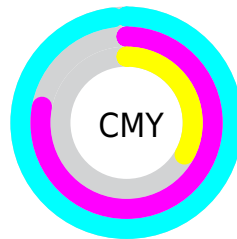
- Red (2%)
- Green (22%)
- Blue (67%)



- Red (2%)
- Yellow (17%)
- Blue (67%)



- Cyan (98%)
- Magenta (67%)
- Yellow (0%)
- Black (33%)



- Cyan (98%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 73.271, 296.972 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 29, 73.271, 296.972 by changing the saturation by 10% instead.

■ 29, 73.271,
296.972

■ 29, 73.271,
296.972

■ 100, 73.271,
296.972

■ 19, 73.271,
296.972

■ 49, 73.271,
296.972

■ 9, 73.271, 296.972

■ 59, 73.271,
296.972

■ 0, 73.271, 296.972

■ 69, 73.271,
296.972

■ 79, 73.271,
296.972

■ 89, 73.271,
296.972

■ 99, 73.271,

296.972

■ 29, 73.271,
296.972

■ 29, 73.271,
296.972

■ 28, 75.222,
297.720

■ 32, 65.126,
293.561

■ 36, 56.977,
290.106

■ 40, 49.001,
286.840

■ 45, 41.249,
283.881

■ 49, 33.709,
281.273

■ 53, 26.352,
279.015

■ 58, 19.154,
277.076

■ 62, 12.096,
275.418

■ 67, 5.171, 274.012

Harmonies

Complementary

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



29, 73.271, 296.972



54, 60.932, 78.598

Rectangle

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



29, 73.271, 296.972



29, 73.271, 346.972



29, 73.271, 116.972



29, 73.271, 166.972

Sweetspot

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



29, 73.272, 296.974



73, 25.048, 277.430



62, 52.927, 161.176



36, 17.234, 278.217



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



29, 73.272, 296.974



37, 93.432, 298.344



22, 96.973, 307.034



34, 3.894, 274.237



24, 67.392, 297.334



2, 8.687, 277.101

Inverse Universe

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



36, 64.049, 18.762



47, 79.605, 21.093



66, 73.169, 113.600



34, 4.139, 356.151



31, 58.624, 19.296



2, 8.345, 359.370

Previews

White Background



This preview shows how the CIE LCh color 29, 73.271, 296.972 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 CIE LCh color 29, 73.271, 296.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

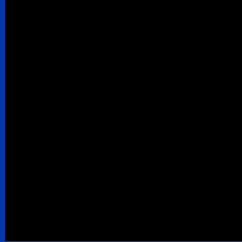
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 73.271, 296.972

Background



This preview shows how black text looks on a background with the CIELCh color 29, 73.271, 296.972.



This preview shows how white text looks on a background with the CIELCh color 29, 73.271, 296.972.

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


29, 73.271, 296.972

Protanopia

29, 47.811, 285.687

Deuteranopia

29, 32.757, 270.687



Tritanopia
29, 20.326, 203.933

Trichromacy



Original Color
29, 73.271, 296.972

Protanomaly
29, 57.604, 291.316

Deuteranomaly
29, 46.605, 285.152

Tritanomaly
28, 30.553, 268.690

Monochromacy



Original Color
29, 73.271, 296.972

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 28.124, 284.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 73.271, 296.972 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(4, 56, 172)` looks like.

```
.text, #text, p{  
    color:rgb(4, 56, 172)  
}
```

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(4, 56, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 56, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 73.271, 296.972 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(4, 56, 172) }
```

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

```
.border{ border-color:rgb(4, 56, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 56, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 56, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 56, 172);  
box-shadow:4px 4px 4px 4px rgb(4, 56, 172)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 73.271, 296.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 56, 172) }
```

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

```
.background{ background-color: rgb(4, 56,  
172) }
```

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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