

Converting Colors

CIELCh(23, 93.387, 325.921)

Have a look what the booklet for
CIELCh(23, 93.387, 325.921)
contains.

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Color

CIELCh(29, 72.974, 324.070)

Conversions

Conversions Part 1

Format	Color
Hex	790088
RGB	121, 0, 136
RGB Percent	47%, 0%, 53%
CMY	0.5256, 1.0000, 0.4668
CMYK	0.11, 1.00, 0.00, 0.47
HSL	293°, 100%, 27%
HSV	293°, 100%, 53%
XYZ	12.3218, 5.8380, 23.7589
YIQ	51.6830, 28.4600, 67.9480

Conversions

Conversions Part 2

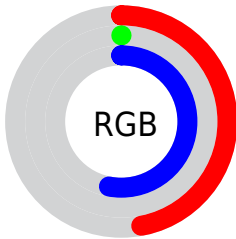
Format	Color
R_{YB}	121, 0, 136
Decimal	7929992
CIE _{Lab}	29.00, 59.09, -42.82
CIE _{LCh}	29, 72.974, 324.070
Yxy	5.8380, 0.2939, 0.1393
Android (android.graphics.Color)	4286120072 (0xFF790088)
YUV	51.6830, 41.5683, 60.7910
Hunter-Lab	24.1619, 48.7457, -41.3876

Details

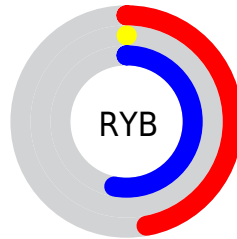
The CIELCh color **29, 72.974, 324.070** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **49, 74.353, 135.323**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 73.042, 324.094**, and **15, 52.907, 320.860** is the 20% darker color. If you saturate the color by 10%, you get **29, 72.962, 324.069**, and if you desaturate by 10%, it is **30, 70.355, 324.223**.

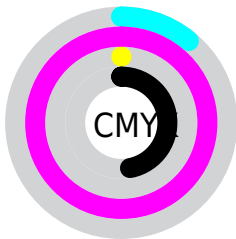
Distribution



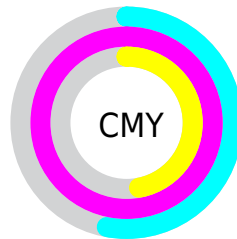
- Red (47%)
- Green (0%)
- Blue (53%)



- Red (47%)
- Yellow (0%)
- Blue (53%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)





- Cyan (53%)
- Magenta (100%)
- Yellow (47%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 72.974, 324.070 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, 72.974, 324.070 by changing the saturation by 10% instead.

 29, 72.974,
324.070


 29, 72.974,
324.070

 100, 72.974,
324.070


 19, 72.974,
324.070


 49, 72.974,
324.070


 9, 72.974, 324.070

 59, 72.974,
324.070

 0, 72.974, 324.070

 69, 72.974,
324.070

 79, 72.974,
324.070

 89, 72.974,
324.070

 99, 72.974,

324.070

■ 29, 72.974,
324.070

■ 29, 72.974,
324.070

■ 29, 72.962,
324.069

■ 30, 70.355,
324.223

■ 31, 66.483,
324.272

■ 33, 60.909,
324.173

■ 36, 53.908,
323.949

■ 39, 45.844,
323.629

■ 42, 37.075,
323.239

■ 45, 27.906,
322.803

■ 49, 18.569,
322.342

■ 53, 9.232, 321.867

Harmonies

Complementary

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



29, 72.974, 324.070



49, 74.353, 135.323

Rectangle

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



29, 72.974, 324.070



29, 72.974, 14.070



29, 72.974, 144.070



29, 72.974, 194.070

Sweetspot

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



29, 72.962, 324.069



58, 34.442, 322.833



16, 77.745, 304.161



28, 23.666, 322.996



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



29, 72.962, 324.069



38, 88.165, 323.981



29, 55.446, 350.684



27, 5.260, 321.826



28, 71.646, 324.079



0, 2.425, 321.419

Inverse Universe

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



27, 60.897, 34.043



37, 74.460, 35.130



49, 61.477, 144.597



27, 3.177, 10.984



27, 59.708, 33.901



0, 1.435, 10.308

Previews

White Background



This preview shows how the CIE LCh color 29, 72.974, 324.070 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 29, 72.974, 324.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

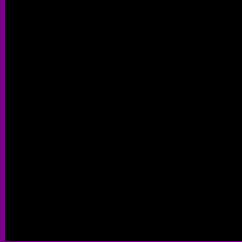
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 72.974, 324.070

Background



This preview shows how black text looks on a background with the CIELCh color 29, 72.974, 324.070.



This preview shows how white text looks on a background with the CIELCh color 29, 72.974, 324.070.

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, 72.974, 324.070

Protanopia
30, 49.372, 285.761

Deuteranopia
31, 36.201, 276.550



Tritanopia
30, 27.738, 20.006

Trichromacy



Original Color
29, 72.974, 324.070

Protanomaly
25, 63.298, 301.167

Deuteranomaly
25, 55.186, 302.240

Tritanomaly
28, 42.730, 343.115

Monochromacy



Original Color
29, 72.974, 324.070

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 36.273, 323.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 72.974, 324.070 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(121, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 136)  
}
```

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(121, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 72.974, 324.070 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(121, 0, 136) }
```

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

```
.border{ border-color:rgb(121, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(121, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 72.974, 324.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 136) }
```

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

```
.background{ background-color: rgb(121, 0,  
136) }
```

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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