

Converting Colors

CIELCh(29, 71.555, 325.082)

Have a look what the booklet for
CIELCh(29, 71.555, 325.082)
contains.

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Color

CIELCh(29, 71.625, 325.097)

Conversions

Conversions Part 1

Format	Color
Hex	7A0085
RGB	122, 0, 133
RGB Percent	48%, 0%, 52%
CMY	0.5214, 0.9996, 0.4782
CMYK	0.08, 1.00, 0.00, 0.48
HSL	295°, 100%, 26%
HSV	295°, 100%, 52%
XYZ	12.2710, 5.8380, 22.6875
YIQ	51.6400, 30.0190, 67.2270

Conversions

Conversions Part 2

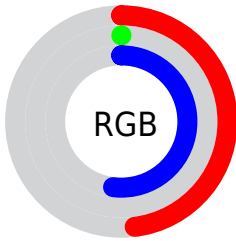
Format	Color
R_{YB}	122, 0, 133
Decimal	7995525
CIE _{Lab}	29.00, 58.74, -40.98
CIE _{LCh}	29, 71.625, 325.097
Yxy	5.8380, 0.3008, 0.1431
Android (android.graphics.Color)	4286185605 (0xFF7A0085)
YUV	51.6400, 40.1105, 61.7057
Hunter-Lab	24.1619, 48.3703, -38.7585

Details

The CIELCh color $[29, 71.625, 325.097]$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $[48, 73.352, 135.511]$, and the grayscale version is $[21, 0.004, 296.813]$.

A 20% lighter version of the original color is $[49, 71.793, 325.070]$, and $[15, 51.352, 322.246]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 71.643, 325.096]$, and if you desaturate by 10%, it is $[30, 69.094, 325.187]$.

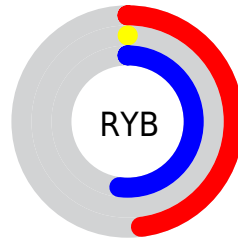
Distribution



Red (48%)

Green (0%)

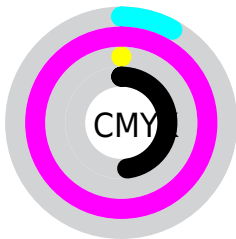
Blue (52%)



Red (48%)

Yellow (0%)

Blue (52%)

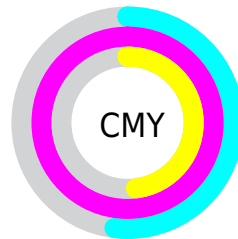


Cyan (8%)

Magenta (100%)

Yellow (0%)

Black (48%)



Cyan (52%)


Magenta (100%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 71.625, 325.097 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, 71.625, 325.097 by changing the saturation by 10% instead.

 29, 71.625,
325.097


 29, 71.625,
325.097

 100, 71.625,
325.097


 19, 71.625,
325.097


 49, 71.625,
325.097


 9, 71.625, 325.097

 59, 71.625,
325.097

 0, 71.625, 325.097

 69, 71.625,
325.097

 79, 71.625,
325.097

 89, 71.625,
325.097

 99, 71.625,

325.097

■ 29, 71.625,
325.097

■ 29, 71.625,
325.097

■ 29, 71.643,
325.096

■ 30, 69.094,
325.187

■ 31, 65.344,
325.184

■ 33, 59.927,
325.050

■ 35, 53.097,
324.802

■ 38, 45.197,
324.464

■ 41, 36.576,
324.060

■ 45, 27.536,
323.613

■ 48, 18.311,
323.140

■ 52, 9.073, 322.652

Harmonies

Complementary

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



29, 71.625, 325.097



48, 73.352, 135.511

Rectangle

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



29, 71.625, 325.097



29, 71.625, 15.097



29, 71.625, 145.097



29, 71.625, 195.097

Sweetspot

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



29, 71.624, 325.097



57, 34.272, 323.648



15, 78.248, 304.802



28, 23.259, 323.811



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



29, 71.624, 325.097



39, 86.992, 325.027



28, 53.768, 353.356



26, 5.139, 322.612



28, 70.472, 325.103



0, 1.223, 322.195

Inverse Universe

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



27, 60.754, 35.292



36, 74.836, 36.488



48, 58.677, 146.004



26, 3.064, 13.187



26, 59.678, 35.143



0, 0.713, 12.556

Previews

White Background



This preview shows how the CIE LCh color 29, 71.625, 325.097 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, 71.625, 325.097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

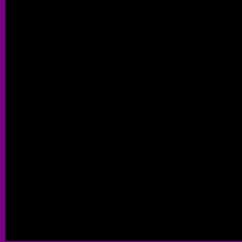
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 71.625, 325.097

Background



This preview shows how black text looks on a background with the CIELCh color 29, 71.625, 325.097.



This preview shows how white text looks on a background with the CIELCh color 29, 71.625, 325.097.

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, 71.625, 325.097

Protanopia
30, 49.372, 285.761

Deuteranopia
31, 34.182, 276.773



Tritanopia
30, 29.210, 20.644

Trichromacy



Original Color
29, 71.625, 325.097

Protanomaly
25, 62.716, 301.110

Deuteranomaly
25, 53.257, 304.089

Tritanomaly
28, 42.802, 344.888

Monochromacy



Original Color
29, 71.625, 325.097

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 35.236, 324.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 71.625, 325.097 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(122, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 133)  
}
```

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(122, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 71.625, 325.097 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(122, 0, 133) }
```

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

```
.border{ border-color:rgb(122, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(122, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 71.625, 325.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 133) }
```

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

```
.background{ background-color: rgb(122, 0,  
133) }
```

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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