

Converting Colors

CIELCh(28, 71.545, 323.633)

Have a look what the booklet for
CIELCh(28, 71.545, 323.633)
contains.

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Color

CIELCh(28, 71.679, 323.692)

Conversions

Conversions Part 1

Format	Color
Hex	750085
RGB	117, 0, 133
RGB Percent	46%, 0%, 52%
CMY	0.5423, 0.9982, 0.4795
CMYK	0.12, 1.00, 0.00, 0.48
HSL	293°, 99%, 26%
HSV	293°, 100%, 52%
XYZ	11.5165, 5.4574, 22.5362
YIQ	50.1450, 27.0390, 66.1670

Conversions

Conversions Part 2

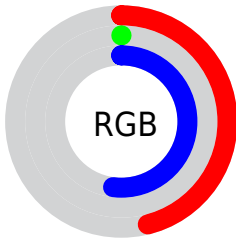
Format	Color
R_{YB}	117, 0, 133
Decimal	7667845
CIE _{Lab}	28.00, 57.76, -42.44
CIE _{LCh}	28, 71.679, 323.692
Y _{xy}	5.4574, 0.2915, 0.1381
Android (android.graphics.Color)	4285857925 (0xFF750085)
YUV	50.1450, 40.8475, 58.6318
Hunter-Lab	23.3610, 47.1147, -40.8438

Details

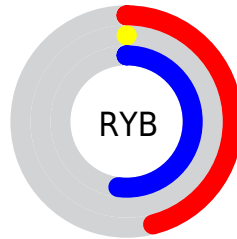
The CIELCh color **28, 71.679, 323.692** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **48, 72.859, 135.235**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 71.988, 323.764**, and **14, 51.753, 320.255** is the 20% darker color. If you saturate the color by 10%, you get **28, 71.771, 323.687**, and if you desaturate by 10%, it is **29, 69.008, 323.861**.

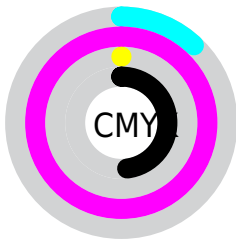
Distribution



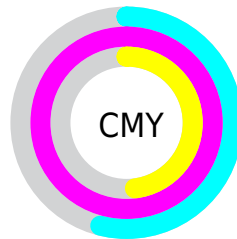
- Red (46%)
- Green (0%)
- Blue (52%)



- Red (46%)
- Yellow (0%)
- Blue (52%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)




- Cyan (54%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 71.679, 323.692 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 28, 71.679, 323.692 by changing the saturation by 10% instead.

 28, 71.679,
323.692


 28, 71.679,
323.692

 100, 71.679,
323.692


 18, 71.679,
323.692


 48, 71.679,
323.692

 8, 71.679, 323.692

 58, 71.679,
323.692

 0, 71.679, 323.692

 68, 71.679,
323.692

 78, 71.679,
323.692

 88, 71.679,
323.692

 98, 71.679,

323.692

■ 28, 71.679,
323.692

■ 28, 71.679,
323.692

■ 28, 71.771,
323.687

■ 29, 69.008,
323.861

■ 31, 65.079,
323.918

■ 33, 59.496,
323.823

■ 35, 52.544,
323.602

■ 38, 44.583,
323.284

■ 41, 35.962,
322.897

■ 44, 26.971,
322.465

■ 48, 17.834,
322.009

■ 52, 8.708, 321.539

Harmonies

Complementary

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



28, 71.679, 323.692



48, 72.859, 135.235

Rectangle

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



28, 71.679, 323.692



28, 71.679, 13.692



28, 71.679, 143.692



28, 71.679, 193.692

Sweetspot

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



28, 71.678, 323.692



57, 33.944, 322.511



16, 75.011, 303.654



28, 23.047, 322.668



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 71.678, 323.692



37, 87.313, 323.586



28, 54.923, 349.209



26, 5.081, 321.514



27, 70.721, 323.695



0, 1.209, 321.115

Inverse Universe

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



27, 59.189, 33.160



36, 73.120, 34.472



48, 61.054, 144.078



26, 3.085, 10.125



26, 58.422, 33.167



0, 0.720, 9.443

Previews

White Background



This preview shows how the CIELCh color 28, 71.679, 323.692 looks on a white background.

Color Contrast Check

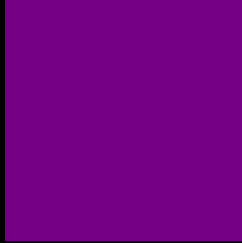
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 71.679, 323.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

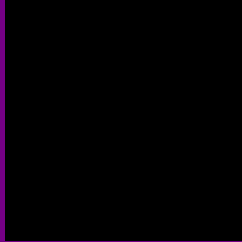
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 71.679, 323.692

Background



This preview shows how black text looks on a background with the CIELCh color 28, 71.679, 323.692.



This preview shows how white text looks on a background with the CIELCh color 28, 71.679, 323.692.

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
28, 71.874, 323.714

Protanopia
29, 47.743, 285.376

Deuteranopia
30, 35.847, 275.758



Tritanopia
29, 26.396, 19.508

Trichromacy



Original Color
28, 71.874, 323.714

Protanomaly
24, 61.688, 300.926

Deuteranomaly
24, 54.239, 300.805

Tritanomaly
27, 41.781, 342.388

Monochromacy



Original Color
28, 71.874, 323.714

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 35.057, 323.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 71.679, 323.692 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(117, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 71.679, 323.692 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(117, 0, 133) }
```

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

```
.border{ border-color:rgb(117, 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(117, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 71.679, 323.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 133) }
```

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

```
.background{ background-color: rgb(117, 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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