

Converting Colors

CIELCh(23, 87.688, 328.265)

Have a look what the booklet for
CIELCh(23, 87.688, 328.265)
contains.

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Color

CIELCh(28, 68.642, 327.022)

Conversions

Conversions Part 1

Format	Color
Hex	79007D
RGB	121, 0, 125
RGB Percent	47%, 0%, 49%
CMY	0.5269, 1.0000, 0.5109
CMYK	0.03, 1.00, 0.00, 0.51
HSL	298°, 100%, 24%
HSV	298°, 100%, 49%
XYZ	11.4914, 5.4574, 19.7560
YIQ	50.4290, 31.9910, 64.5270

Conversions

Conversions Part 2

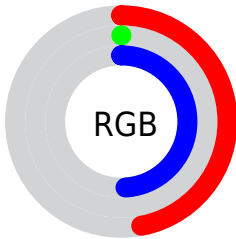
Format	Color
R_{YB}	121, 0, 125
Decimal	7929981
CIE _{Lab}	28.00, 57.58, -37.36
CIE _{LCh}	28, 68.642, 327.022
Y _{xy}	5.4574, 0.3131, 0.1487
Android (android.graphics.Color)	4286120061 (0xFF79007D)
YUV	50.4290, 36.7635, 61.8908
Hunter-Lab	23.3610, 46.9229, -33.7876

Details

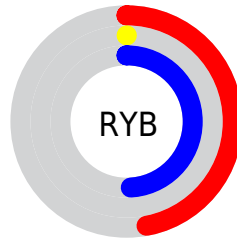
The CIELCh color **28, 68.642, 327.022** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 70.311, 135.800**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 68.365, 327.155**, and **14, 48.016, 324.481** is the 20% darker color. If you saturate the color by 10%, you get **28, 68.143, 326.988**, and if you desaturate by 10%, it is **29, 65.724, 326.951**.

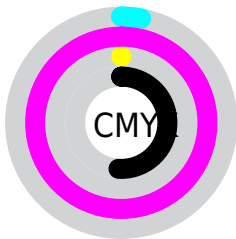
Distribution



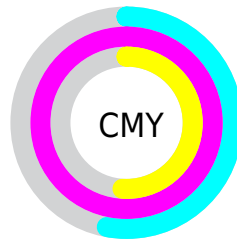
- Red (47%)
- Green (0%)
- Blue (49%)



- Red (47%)
- Yellow (0%)
- Blue (49%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)




- Cyan (53%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 68.642, 327.022 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, 68.642, 327.022 by changing the saturation by 10% instead.

 28, 68.642,
327.022

 28, 68.642,
327.022

 100, 68.642,
327.022

 18, 68.642,
327.022


 48, 68.642,
327.022

 8, 68.642, 327.022

 58, 68.642,
327.022

 0, 68.642, 327.022

 68, 68.642,
327.022

 78, 68.642,
327.022

 88, 68.642,
327.022

 98, 68.642,

327.022

■ 28, 68.642,
327.022

■ 28, 68.642,
327.022

■ 28, 68.143,
326.988

■ 29, 65.724,
326.951

■ 30, 62.246,
326.847

■ 32, 57.201,
326.640

■ 34, 50.799,
326.342

■ 36, 43.344,
325.968

■ 39, 35.157,
325.536

■ 42, 26.526,
325.064

■ 45, 17.685,
324.566

■ 49, 8.805, 324.053

Harmonies

Complementary

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



28, 68.642, 327.022



45, 70.311, 135.800

Rectangle

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



28, 68.642, 327.022



28, 68.642, 17.022



28, 68.642, 147.022



28, 68.642, 197.022

Sweetspot

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



28, 68.143, 326.988



54, 33.045, 325.099



13, 76.978, 305.648



26, 22.398, 325.265



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 68.143, 326.988



38, 82.887, 326.958



26, 50.468, 357.458



24, 4.880, 324.003



28, 68.233, 326.988



58, 114.872, 326.922

Inverse Universe

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



25, 59.048, 36.865



34, 73.335, 38.447



46, 53.281, 148.364



24, 2.852, 17.218



25, 59.139, 36.881



53, 102.514, 39.100

Previews

White Background



This preview shows how the CIELCh color 28, 68.642, 327.022 looks on a white background.

Color Contrast Check

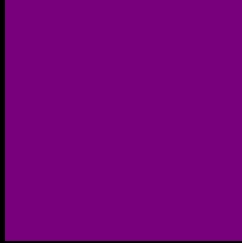
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.642, 327.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

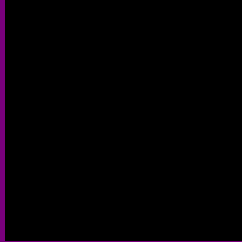
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 68.642, 327.022

Background



This preview shows how black text looks on a background with the CIELCh color 28, 68.642, 327.022.



This preview shows how white text looks on a background with the CIELCh color 28, 68.642, 327.022.

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, 68.250, 327.014

Protanopia
29, 48.332, 285.712

Deuteranopia
30, 30.882, 278.401



Tritanopia
29, 30.496, 22.449

Trichromacy



Original Color
28, 68.250, 327.014

Protanomaly
24, 60.456, 301.147

Deuteranomaly
25, 49.117, 306.324

Tritanomaly
27, 41.857, 348.557

Monochromacy



Original Color
28, 68.250, 327.014

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 33.734, 326.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 68.642, 327.022 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 68.642, 327.022 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, 125) }
```

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

```
.border{ border-color:rgb(121, 0, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 68.642, 327.022 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, 125) }
```

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

```
.background{ background-color: rgb(121, 0,  
125) }
```

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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