

Converting Colors

CIELCh(24, 86.557, 330.149)

Have a look what the booklet for
CIELCh(24, 86.557, 330.149)
contains.

CIELCh(30, 67.700, 329.473)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 67.700, 329.473)

Conversions

Conversions Part 1

Format	Color
Hex	81037D
RGB	129, 3, 125
RGB Percent	51%, 1%, 49%
CMY	0.4929, 0.9895, 0.5089
CMYK	0.00, 0.98, 0.03, 0.49
HSL	302°, 96%, 26%
HSV	302°, 98%, 51%
XYZ	12.8457, 6.2359, 20.0046
YIQ	54.5820, 35.9340, 64.6540

Conversions

Conversions Part 2

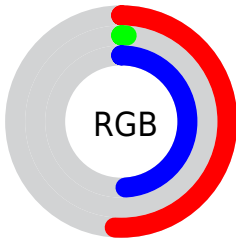
Format	Color
RYB	129, 3, 125
Decimal	8455037
CIELab	30.00, 58.32, -34.39
CIELCh	30, 67.700, 329.473
Yxy	6.2359, 0.3287, 0.1595
Android (android.graphics.Color)	4286645117 (0xFF81037D)
YUV	54.5820, 34.7161, 65.2646
Hunter-Lab	24.9718, 48.1212, -30.0163

Details

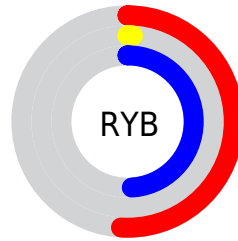
The CIELCh color **30, 67.700, 329.473** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **47, 71.124, 136.529**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 67.595, 329.427**, and **16, 47.710, 328.233** is the 20% darker color. If you saturate the color by 10%, you get **30, 68.145, 329.516**, and if you desaturate by 10%, it is **31, 65.434, 329.258**.

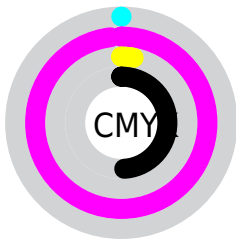
Distribution



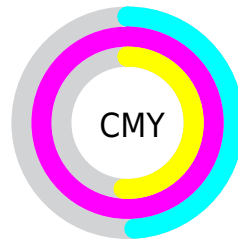
- Red (51%)
- Green (1%)
- Blue (49%)



- Red (51%)
- Yellow (1%)
- Blue (49%)



- Cyan (0%)
- Magenta (98%)
- Yellow (3%)
- Black (49%)





- Cyan (49%)
- Magenta (99%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 67.700, 329.473 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 30, 67.700, 329.473 by changing the saturation by 10% instead.


 30, 67.700,
329.473


 30, 67.700,
329.473

 100, 67.700,
329.473


 20, 67.700,
329.473


 50, 67.700,
329.473


 10, 67.700,
329.473

 60, 67.700,
329.473

 0, 67.700, 329.473

 70, 67.700,
329.473

 80, 67.700,
329.473

 90, 67.700,
329.473

■ 30, 67.700,
329.473

■ 30, 67.700,
329.473

■ 30, 68.145,
329.516

■ 31, 65.434,
329.258

■ 32, 61.794,
328.990

■ 34, 56.560,
328.655

■ 36, 49.958,
328.257

■ 38, 42.306,
327.807

■ 41, 33.932,
327.315

■ 44, 25.127,
326.796

■ 48, 16.125,

326.259

■ 51, 7.099, 325.708

Harmonies

Complementary

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



30, 67.700, 329.473



47, 71.124, 136.529

Rectangle

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



30, 67.700, 329.473



30, 67.700, 19.473



30, 67.700, 149.473



30, 67.700, 199.473

Sweetspot

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



30, 67.698, 329.473



57, 32.346, 326.888



14, 79.539, 306.079



27, 22.055, 327.075



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 67.698, 329.473



40, 82.562, 329.547



27, 50.820, 1.436



25, 4.991, 325.774



29, 67.458, 329.514



0, 0.000, 0.000

Inverse Universe

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



30, 67.698, 329.473



40, 82.562, 329.547



47, 51.398, 151.145



25, 4.991, 325.774



29, 67.458, 329.514



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 30, 67.700, 329.473 looks on a white background.

Color Contrast Check

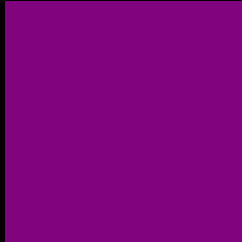
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 67.700, 329.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

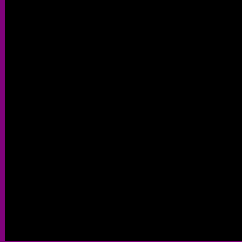
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 67.700, 329.473

Background



This preview shows how black text looks on a background with the CIELCh color 30, 67.700, 329.473.



This preview shows how white text looks on a background with the CIELCh color 30, 67.700, 329.473.

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

30, 67.551, 329.447

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 28.549, 279.146



Tritanopia
31, 35.145, 23.892

Trichromacy



Original Color
30, 67.551, 329.447



Protanomaly
25, 61.302, 300.979



Deuteranomaly
27, 47.723, 309.394



Tritanomaly
29, 44.119, 352.637

Monochromacy



Original Color
30, 67.551, 329.447



Achromatopsia
23, 0.004, 296.813



Achromatomaly
22, 33.895, 327.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 67.700, 329.473 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(129, 3, 125)` looks like.

```
.text, #text, p{  
    color:rgb(129, 3, 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(129, 3, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 3, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 67.700, 329.473 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(129, 3, 125) }
```

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

```
.border{ border-color:rgb(129, 3, 125) }
```

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

Here you see how a box with a 4 pixel rgb(129, 3, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 3, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 3, 125);  
box-shadow:4px 4px 4px 4px rgb(129, 3,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 67.700, 329.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 3, 125) }
```

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

```
.background{ background-color: rgb(129, 3,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor