

Converting Colors

CIELCh(31, 68.023, 332.233)

Have a look what the booklet for
CIELCh(31, 68.023, 332.233)
contains.

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Color

CIELCh(31, 67.703, 331.984)

Conversions

Conversions Part 1

Format	Color
Hex	88007C
RGB	136, 0, 124
RGB Percent	53%, 0%, 49%
CMY	0.4676, 1.0000, 0.5146
CMYK	0.00, 1.00, 0.09, 0.47
HSL	305°, 100%, 27%
HSV	305°, 100%, 53%
XYZ	13.7309, 6.6515, 19.5529
YIQ	54.8000, 41.2520, 67.3960

Conversions

Conversions Part 2

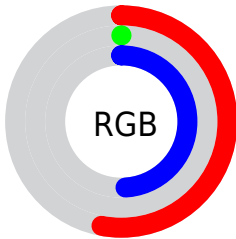
Format	Color
RYB	136, 0, 124
Decimal	8913020
CIELab	31.00, 59.77, -31.80
CIElCh	31, 67.703, 331.984
Yxy	6.6515, 0.3438, 0.1666
Android (android.graphics.Color)	4287103100 (0xFF88007C)
YUV	54.8000, 34.1156, 71.2124
Hunter-Lab	25.7905, 49.9003, -26.8969

Details

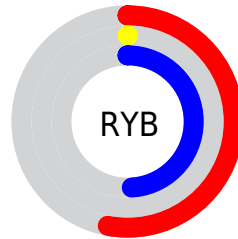
The CIELCh color **31, 67.703, 331.984** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **49, 73.124, 137.045**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 67.575, 332.066**, and **17, 47.235, 331.661** is the 20% darker color. If you saturate the color by 10%, you get **31, 67.613, 331.984**, and if you desaturate by 10%, it is **32, 65.732, 331.574**.

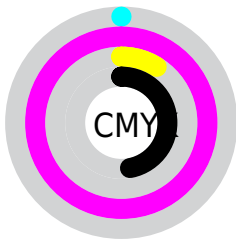
Distribution



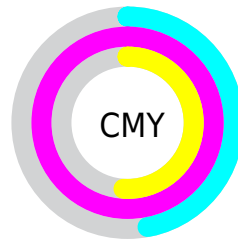
- Red (53%)
- Green (0%)
- Blue (49%)



- Red (53%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (47%)





- Cyan (47%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 67.703, 331.984 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 31, 67.703, 331.984 by changing the saturation by 10% instead.


 31, 67.703,
331.984


 31, 67.703,
331.984

 100, 67.703,
331.984


 21, 67.703,
331.984

 51, 67.703,
331.984


 11, 67.703,
331.984


 61, 67.703,
331.984

 1, 67.703, 331.984

 71, 67.703,
331.984

 0, 67.703, 331.984

 81, 67.703,
331.984

 91, 67.703,
331.984

■ 31, 67.703,
331.984

■ 31, 67.703,
331.984

■ 31, 67.613,
331.984

■ 32, 65.732,
331.574

■ 33, 62.614,
331.146

■ 35, 57.799,
330.691

■ 37, 51.500,
330.204

■ 39, 44.044,
329.687

■ 42, 35.780,
329.145

■ 46, 27.022,
328.587

■ 49, 18.025,

328.021

■ 53, 8.976, 327.449

Harmonies

Complementary

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



31, 67.703, 331.984



49, 73.124, 137.045

Rectangle

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



31, 67.703, 331.984



31, 67.703, 21.984



31, 67.703, 151.984



31, 67.703, 201.984

Sweetspot

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



31, 67.613, 331.984



58, 33.389, 328.624



15, 83.275, 306.645



29, 22.916, 328.830



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



31, 67.613, 331.984



41, 81.657, 332.075



28, 52.881, 8.641



27, 5.122, 327.400



30, 66.482, 331.975



0, 2.364, 326.916

Inverse Universe

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



31, 67.613, 331.984



41, 81.657, 332.075



50, 50.300, 154.381



27, 5.122, 327.400



30, 66.482, 331.975



0, 2.364, 326.916

Previews

White Background



This preview shows how the CIELCh color 31, 67.703, 331.984 looks on a white background.

Color Contrast Check

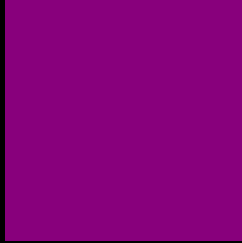
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 67.703, 331.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

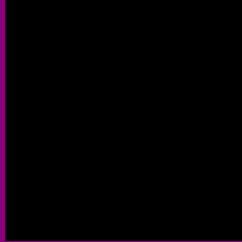
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 67.703, 331.984

Background



This preview shows how black text looks on a background with the CIELCh color 31, 67.703, 331.984.



This preview shows how white text looks on a background with the CIELCh color 31, 67.703, 331.984.

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

31, 67.703, 331.984

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 25.685, 280.702



Tritanopia
32, 38.342, 24.794

Trichromacy



Original Color
31, 67.703, 331.984

Protanomaly
26, 62.332, 301.174

Deuteranomaly
28, 46.750, 312.998

Tritanomaly
30, 45.906, 355.751

Monochromacy



Original Color
31, 67.703, 331.984

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 34.352, 329.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 67.703, 331.984 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(136, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 124)  
}
```

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(136, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 67.703, 331.984 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(136, 0, 124) }
```

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

```
.border{ border-color:rgb(136, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(136, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 67.703, 331.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 124) }
```

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

```
.background{ background-color: rgb(136, 0,  
124) }
```

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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