

Converting Colors

CIELCh(27, 81.769, 332.639)

Have a look what the booklet for
CIELCh(27, 81.769, 332.639)
contains.

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Color

CIELCh(31, 67.338, 332.648)

Conversions

Conversions Part 1

Format	Color
Hex	88007A
RGB	136, 0, 122
RGB Percent	53%, 0%, 48%
CMY	0.4652, 1.0000, 0.5199
CMYK	0.00, 1.00, 0.10, 0.47
HSL	306°, 100%, 27%
HSV	306°, 100%, 53%
XYZ	13.7372, 6.6515, 19.1079
YIQ	54.5720, 41.8940, 66.7740

Conversions

Conversions Part 2

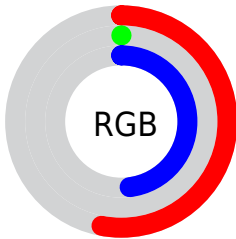
Format	Color
R_{YB}	136, 0, 122
Decimal	8913018
CIE _{Lab}	31.00, 59.81, -30.94
CIE _{LCh}	31, 67.338, 332.648
Yxy	6.6515, 0.3478, 0.1684
Android (android.graphics.Color)	4287103098 (0xFF88007A)
YUV	54.5720, 33.2420, 71.4124
Hunter-Lab	25.7905, 49.9441, -25.8740

Details

The CIELCh color **31, 67.338, 332.648** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **49, 73.045, 137.226**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 66.817, 332.715**, and **17, 46.818, 332.201** is the 20% darker color. If you saturate the color by 10%, you get **31, 67.109, 332.651**, and if you desaturate by 10%, it is **32, 65.291, 332.182**.

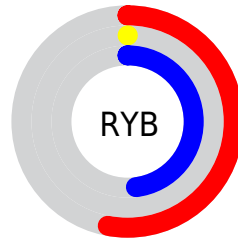
Distribution



Red (53%)

Green (0%)

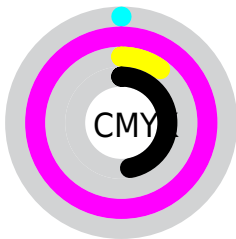
Blue (48%)



Red (53%)

Yellow (0%)

Blue (48%)

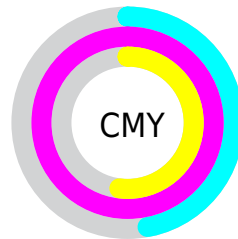


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (47%)



Cyan (47%)


Magenta (100%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 67.338, 332.648 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, 67.338, 332.648 by changing the saturation by 10% instead.


 31, 67.338,
332.648


 31, 67.338,
332.648

 100, 67.338,
332.648


 21, 67.338,
332.648

 51, 67.338,
332.648


 11, 67.338,
332.648


 61, 67.338,
332.648

 1, 67.338, 332.648

 71, 67.338,
332.648

 0, 67.338, 332.648

 81, 67.338,
332.648

 91, 67.338,
332.648

■ 31, 67.338,
332.648

■ 31, 67.338,
332.648

■ 31, 67.109,
332.651

■ 32, 65.291,
332.182

■ 33, 62.226,
331.705

■ 35, 57.458,
331.212

■ 37, 51.203,
330.697

■ 40, 43.790,
330.158

■ 43, 35.572,
329.600

■ 46, 26.863,
329.030

■ 49, 17.917,

328.455

■ 53, 8.922, 327.876

Harmonies

Complementary

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



31, 67.338, 332.648



49, 73.045, 137.226

Rectangle

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



31, 67.338, 332.648



31, 67.338, 22.648



31, 67.338, 152.648



31, 67.338, 202.648

Sweetspot

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



31, 67.109, 332.651



59, 33.460, 329.069



15, 83.444, 306.724



29, 22.698, 329.277



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, 67.109, 332.651



41, 81.626, 332.762



28, 53.141, 10.246



27, 5.072, 327.827



30, 65.775, 332.638



0, 2.341, 327.339

Inverse Universe

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



31, 67.109, 332.651



41, 81.626, 332.762



50, 49.527, 155.397



27, 5.072, 327.827



30, 65.775, 332.638



0, 2.341, 327.339

Previews

White Background



This preview shows how the CIELCh color 31, 67.338, 332.648 looks on a white background.

Color Contrast Check

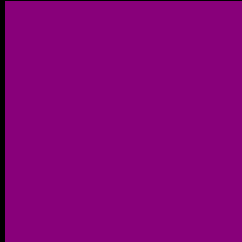
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 67.338, 332.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

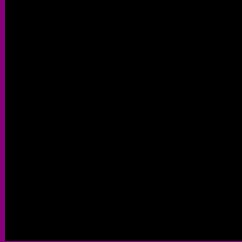
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 67.338, 332.648

Background



This preview shows how black text looks on a background with the CIELCh color 31, 67.338, 332.648.



This preview shows how white text looks on a background with the CIELCh color 31, 67.338, 332.648.

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





Tritanopia
32, 39.328, 25.155

Trichromacy



Original Color
31, 66.947, 332.681

Protanomaly
26, 62.304, 301.352

Deuteranomaly
28, 46.187, 313.212

Tritanomaly
30, 46.030, 356.907

Monochromacy



Original Color
31, 66.947, 332.681

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 34.503, 330.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 67.338, 332.648 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 67.338, 332.648 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, 122) }
```

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

```
.border{ border-color:rgb(136, 0, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 67.338, 332.648 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, 122) }
```

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

```
.background{ background-color: rgb(136, 0,  
122) }
```

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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