

Converting Colors

CIELCh(31, 67.530, 331.863)

Have a look what the booklet for
CIELCh(31, 67.530, 331.863)
contains.

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Color

CIELCh(31, 67.522, 331.668)

Conversions

Conversions Part 1

Format	Color
Hex	87017C
RGB	135, 1, 124
RGB Percent	53%, 0%, 49%
CMY	0.4700, 0.9947, 0.5132
CMYK	0.00, 0.99, 0.08, 0.47
HSL	305°, 98%, 27%
HSV	305°, 99%, 53%
XYZ	13.6783, 6.6515, 19.6796
YIQ	55.0880, 40.3810, 66.6610

Conversions

Conversions Part 2

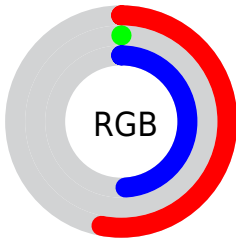
Format	Color
R_{YB}	135, 1, 124
Decimal	8847740
CIE _{Lab}	31.00, 59.43, -32.04
CIE _{LCh}	31, 67.522, 331.668
Yxy	6.6515, 0.3419, 0.1662
Android (android.graphics.Color)	4287037820 (0xFF87017C)
YUV	55.0880, 33.9736, 70.0828
Hunter-Lab	25.7905, 49.5360, -27.1883

Details

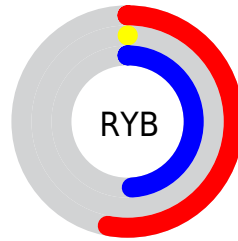
The CIELCh color **31, 67.522, 331.668** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **49, 72.749, 137.030**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 67.459, 331.775**, and **17, 47.235, 331.661** is the 20% darker color. If you saturate the color by 10%, you get **31, 67.708, 331.706**, and if you desaturate by 10%, it is **32, 65.564, 331.280**.

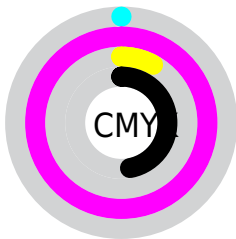
Distribution



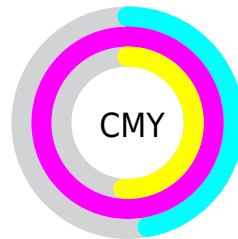
- Red (53%)
- Green (0%)
- Blue (49%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (8%)
- Black (47%)



- Cyan (47%)
- Magenta (99%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 67.522, 331.668 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, 67.522, 331.668 by changing the saturation by 10% instead.

 31, 67.522,
331.668

 31, 67.522,
331.668

 100, 67.522,
331.668

 21, 67.522,
331.668

 51, 67.522,
331.668


 11, 67.522,
331.668


 61, 67.522,
331.668

 1, 67.522, 331.668

 71, 67.522,
331.668

 0, 67.522, 331.668

 81, 67.522,
331.668

 91, 67.522,
331.668

■ 31, 67.522,
331.668

■ 31, 67.522,
331.668

■ 31, 67.708,
331.706

■ 32, 65.564,
331.280

■ 33, 62.254,
330.870

■ 35, 57.267,
330.427

■ 37, 50.831,
329.948

■ 40, 43.274,
329.437

■ 43, 34.944,
328.899

■ 46, 26.149,
328.345

■ 49, 17.135,

327.782

■ 53, 8.085, 327.212

Harmonies

Complementary

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



31, 67.522, 331.668



49, 72.749, 137.030

Rectangle

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



31, 67.522, 331.668



31, 67.522, 21.668



31, 67.522, 151.668



31, 67.522, 201.668

Sweetspot

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



31, 67.520, 331.668



58, 33.525, 328.438



15, 82.534, 306.445



29, 23.009, 328.642



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, 67.520, 331.668



41, 82.039, 331.791



28, 52.461, 6.654



27, 5.143, 327.221



30, 66.786, 331.699



0, 2.374, 326.739

Inverse Universe

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



31, 67.520, 331.668



41, 82.039, 331.791



49, 50.759, 153.595



27, 5.143, 327.221



30, 66.786, 331.699



0, 2.374, 326.739

Previews

White Background



This preview shows how the CIELCh color 31, 67.522, 331.668 looks on a white background.

Color Contrast Check

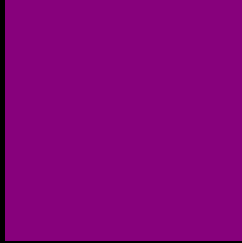
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.522, 331.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

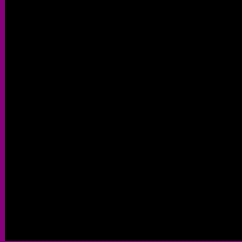
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 67.522, 331.668

Background



This preview shows how black text looks on a background with the CIELCh color 31, 67.522, 331.668.



This preview shows how white text looks on a background with the CIELCh color 31, 67.522, 331.668.

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, 67.522, 331.668

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 26.338, 280.598



Tritanopia
32, 37.888, 24.670

Trichromacy



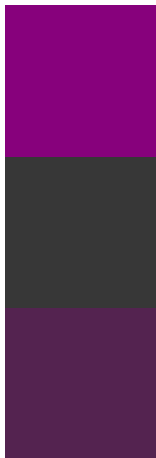
Original Color
31, 67.522, 331.668

Protanomaly
26, 62.332, 301.174

Deuteranomaly
28, 46.627, 312.138

Tritanomaly
30, 45.533, 355.956

Monochromacy



Original Color
31, 67.522, 331.668

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, 67.522, 331.668 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(135, 1, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 1, 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(135, 1, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 1, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 67.522, 331.668 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(135, 1, 124) }
```

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

```
.border{ border-color:rgb(135, 1, 124) }
```

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

Here you see how a box with a 4 pixel rgb(135, 1, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 1, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 1, 124);  
box-shadow:4px 4px 4px 4px rgb(135, 1,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 67.522, 331.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 1, 124) }
```

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

```
.background{ background-color: rgb(135, 1,  
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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