

Converting Colors

CIELCh(31, 63.885, 336.537)

Have a look what the booklet for
CIELCh(31, 63.885, 336.537)
contains.

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Color

CIELCh(31, 63.951, 336.388)

Conversions

Conversions Part 1

Format	Color
Hex	8A0172
RGB	138, 1, 114
RGB Percent	54%, 0%, 45%
CMY	0.4585, 0.9954, 0.5527
CMYK	0.00, 0.99, 0.17, 0.46
HSL	311°, 98%, 27%
HSV	311°, 99%, 54%
XYZ	13.5476, 6.6515, 16.5100
YIQ	54.8450, 45.3790, 64.1870

Conversions

Conversions Part 2

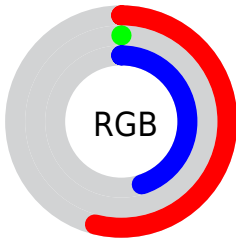
Format	Color
R_{YB}	138, 1, 114
Decimal	9044338
CIE _{Lab}	31.00, 58.60, -25.61
CIE _{LCh}	31, 63.951, 336.388
Yxy	6.6515, 0.3691, 0.1812
Android (android.graphics.Color)	4287234418 (0xFF8A0172)
YUV	54.8450, 29.1634, 72.9269
Hunter-Lab	25.7905, 48.6320, -19.9016

Details

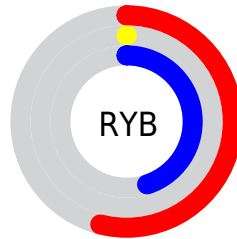
The CIELCh color **31, 63.951, 336.388** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **50, 71.281, 138.543**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 63.831, 336.486**, and **17, 43.779, 338.132** is the 20% darker color. If you saturate the color by 10%, you get **31, 64.078, 336.458**, and if you desaturate by 10%, it is **32, 62.377, 335.564**.

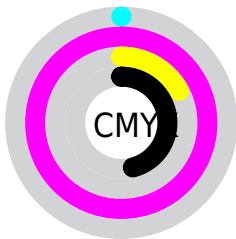
Distribution



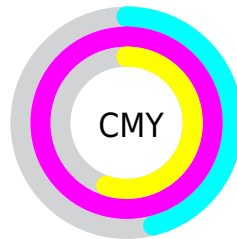
- Red (54%)
- Green (0%)
- Blue (45%)



- Red (54%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (99%)
- Yellow (17%)
- Black (46%)




- Cyan (46%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 63.951, 336.388 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, 63.951, 336.388 by changing the saturation by 10% instead.


 31, 63.951,
336.388


 31, 63.951,
336.388

 100, 63.951,
336.388

 21, 63.951,
336.388

 51, 63.951,
336.388


 11, 63.951,
336.388


 61, 63.951,
336.388

 1, 63.951, 336.388

 71, 63.951,
336.388

 0, 63.951, 336.388

 81, 63.951,
336.388

 91, 63.951,
336.388

■ 31, 63.951,
336.388

■ 31, 63.951,
336.388

■ 31, 64.078,
336.458

■ 32, 62.377,
335.564

■ 33, 59.428,
334.795

■ 35, 54.778,
334.080

■ 37, 48.673,
333.397

■ 40, 41.460,
332.732

■ 43, 33.492,
332.080

■ 47, 25.080,
331.440

■ 50, 16.467,

330.813

■ 54, 7.829, 330.192

Harmonies

Complementary

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



31, 63.951, 336.388



50, 71.281, 138.543

Rectangle

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



31, 63.951, 336.388



31, 63.951, 26.388



31, 63.951, 156.388



31, 63.951, 206.388

Sweetspot

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



31, 63.949, 336.388



59, 31.822, 331.535



16, 83.170, 307.067



29, 21.591, 331.767



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, 63.949, 336.388



41, 77.160, 336.668



28, 54.195, 16.202



27, 4.819, 330.192



30, 62.257, 336.421



0, 2.223, 329.680

Inverse Universe

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



31, 63.949, 336.388



41, 77.160, 336.668



51, 45.996, 160.047



27, 4.819, 330.192



30, 62.257, 336.421



0, 2.223, 329.680

Previews

White Background



This preview shows how the CIELCh color 31, 63.951, 336.388 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, 63.951, 336.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

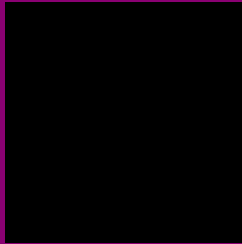
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 63.951, 336.388

Background



This preview shows how black text looks on a background with the CIELCh color 31, 63.951, 336.388.



This preview shows how white text looks on a background with the CIELCh color 31, 63.951, 336.388.

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, 63.951, 336.388

Protanopia

32, 52.598, 286.448

Deuteranopia

32, 20.412, 283.722



Tritanopia
32, 42.032, 26.918

Trichromacy



Original Color
31, 63.951, 336.388

Protanomaly
26, 60.551, 301.205

Deuteranomaly
28, 42.072, 318.223

Tritanomaly
30, 46.642, 1.795

Monochromacy



Original Color
31, 63.951, 336.388

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 32.699, 333.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 63.951, 336.388 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(138, 1, 114)` looks like.

```
.text, #text, p{  
    color:rgb(138, 1, 114)  
}
```

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(138, 1, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 1, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 63.951, 336.388 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(138, 1, 114) }
```

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

```
.border{ border-color:rgb(138, 1, 114) }
```

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

Here you see how a box with a 4 pixel rgb(138, 1, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 1, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 1, 114);  
box-shadow:4px 4px 4px 4px rgb(138, 1,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 63.951, 336.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 1, 114) }
```

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

```
.background{ background-color: rgb(138, 1,  
114) }
```

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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