

Converting Colors

CIELCh(31, 67.959, 327.550)

Have a look what the booklet for
CIELCh(31, 67.959, 327.550)
contains.

CIELCh(31, 68.013, 327.502)	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(31, 68.013, 327.502)

Conversions

Conversions Part 1

Format	Color
Hex	810E83
RGB	129, 14, 131
RGB Percent	51%, 5%, 51%
CMY	0.4933, 0.9436, 0.4855
CMYK	0.02, 0.89, 0.00, 0.49
HSL	299°, 80%, 29%
HSV	299°, 89%, 51%
XYZ	13.3565, 6.6515, 22.1220
YIQ	61.7230, 30.9830, 60.7670

Conversions

Conversions Part 2

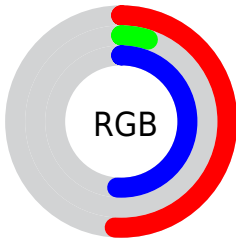
Format	Color
R_{YB}	129, 14, 131
Decimal	8457859
CIE _{Lab}	31.00, 57.36, -36.54
CIE _{LCh}	31, 68.013, 327.502
Yxy	6.6515, 0.3170, 0.1579
Android (android.graphics.Color)	4286647939 (0xFF810E83)
YUV	61.7230, 34.1536, 59.0019
Hunter-Lab	25.7905, 47.3091, -32.8031

Details

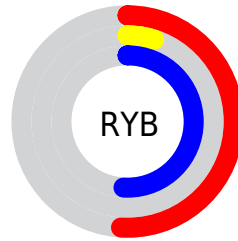
The CIELCh color **31, 68.013, 327.502** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **48, 69.929, 136.531**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 67.934, 327.342**, and **16, 50.463, 325.579** is the 20% darker color. If you saturate the color by 10%, you get **30, 70.394, 327.572**, and if you desaturate by 10%, it is **32, 64.341, 327.360**.

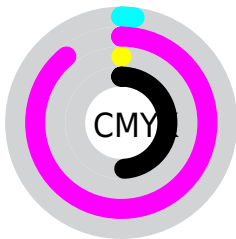
Distribution



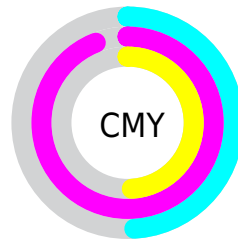
- Red (51%)
- Green (5%)
- Blue (51%)



- Red (51%)
- Yellow (5%)
- Blue (51%)



- Cyan (2%)
- Magenta (89%)
- Yellow (0%)
- Black (49%)





- Cyan (49%)
- Magenta (94%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 68.013, 327.502 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, 68.013, 327.502 by changing the saturation by 10% instead.


 31, 68.013,
327.502


 31, 68.013,
327.502

 100, 68.013,
327.502


 21, 68.013,
327.502

 51, 68.013,
327.502


 11, 68.013,
327.502


 61, 68.013,
327.502

 1, 68.013, 327.502

 71, 68.013,
327.502

 0, 68.013, 327.502

 81, 68.013,
327.502

 91, 68.013,
327.502

■ 31, 68.013,
327.502

■ 31, 68.013,
327.502

■ 30, 70.394,
327.572

■ 32, 64.341,
327.360

■ 30, 70.620,
327.579

■ 34, 59.037,
327.123

■ 36, 52.317,
326.801

■ 39, 44.499,
326.407

■ 41, 35.919,
325.958

■ 45, 26.879,
325.472

■ 48, 17.621,
324.961

■ 52, 8.327, 324.433

Harmonies

Complementary

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



31, 68.013, 327.502



48, 69.929, 136.531

Rectangle

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



31, 68.013, 327.502



31, 68.013, 17.502



31, 68.013, 147.502



31, 68.013, 197.502

Sweetspot

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



31, 68.011, 327.502



58, 31.026, 325.400



16, 73.705, 304.173



29, 21.053, 325.544



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



31, 68.011, 327.502



40, 85.668, 327.564



29, 50.638, 354.347



26, 5.244, 324.438



30, 70.174, 327.579



0, 1.249, 323.986

Inverse Universe

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



27, 56.949, 35.132



35, 76.625, 39.206



48, 51.410, 150.437



26, 3.049, 18.498



26, 61.600, 37.838



0, 0.707, 17.986

Previews

White Background



This preview shows how the CIELCh color 31, 68.013, 327.502 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, 68.013, 327.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

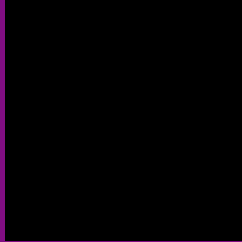
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 68.013, 327.502

Background



This preview shows how black text looks on a background with the CIELCh color 31, 68.013, 327.502.



This preview shows how white text looks on a background with the CIELCh color 31, 68.013, 327.502.

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, 68.013, 327.502

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 31.105, 278.934



Tritanopia
32, 32.527, 22.797

Trichromacy



Original Color
31, 68.013, 327.502

Protanomaly
27, 60.296, 299.555

Deuteranomaly
28, 47.244, 306.159

Tritanomaly
30, 41.636, 350.590

Monochromacy



Original Color
31, 68.013, 327.502

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 31.356, 326.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 68.013, 327.502 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, 14, 131)` looks like.

```
.text, #text, p{  
    color:rgb(129, 14, 131)  
}
```

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, 14, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 14, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 68.013, 327.502 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, 14, 131) }
```

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

```
.border{ border-color:rgb(129, 14, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 14, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 14, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 14, 131);  
box-shadow:4px 4px 4px 4px rgb(129, 14,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 68.013, 327.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 14, 131) }
```

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

```
.background{ background-color: rgb(129, 14,  
131) }
```

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