

Converting Colors

CIELCh(31, 84.011, 319.015)

Have a look what the booklet for
CIELCh(31, 84.011, 319.015)
contains.

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Color

CIELCh(31, 83.928, 319.103)

Conversions

Conversions Part 1

Format	Color
Hex	7901A1
RGB	121, 1, 161
RGB Percent	47%, 0%, 63%
CMY	0.5257, 0.9965, 0.3688
CMYK	0.25, 0.99, 0.00, 0.37
HSL	285°, 99%, 32%
HSV	285°, 99%, 63%
XYZ	14.3154, 6.6515, 34.2229
YIQ	55.1200, 20.1600, 75.2000

Conversions

Conversions Part 2

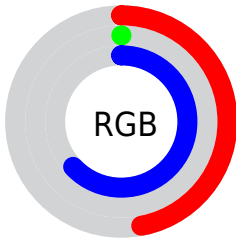
Format	Color
R_{YB}	121, 1, 161
Decimal	7930273
CIE _{Lab}	31.00, 63.44, -54.95
CIE _{LCh}	31, 83.928, 319.103
Yxy	6.6515, 0.2594, 0.1205
Android (android.graphics.Color)	4286120353 (0xFF7901A1)
YUV	55.1200, 52.1988, 57.7768
Hunter-Lab	25.7905, 53.9454, -60.6219

Details

The CIELCh color **31, 83.928, 319.103** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **58, 82.340, 133.853**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 83.795, 319.052**, and **17, 64.614, 314.990** is the 20% darker color. If you saturate the color by 10%, you get **31, 84.098, 319.080**, and if you desaturate by 10%, it is **33, 80.755, 319.540**.

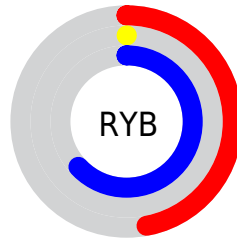
Distribution



Red (47%)

Green (0%)

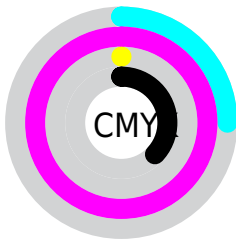
Blue (63%)



Red (47%)

Yellow (0%)

Blue (63%)

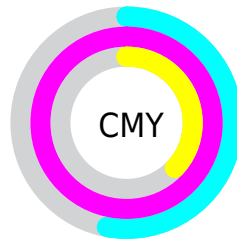


Cyan (25%)

Magenta (99%)

Yellow (0%)

Black (37%)



Cyan (53%)


Magenta (100%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 83.928, 319.103 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, 83.928, 319.103 by changing the saturation by 10% instead.


 31, 83.928,
319.103


 31, 83.928,
319.103

 100, 83.928,
319.103


 21, 83.928,
319.103

 51, 83.928,
319.103


 11, 83.928,
319.103


 61, 83.928,
319.103

 1, 83.928, 319.103

 71, 83.928,
319.103

 0, 83.928, 319.103

 81, 83.928,
319.103

 91, 83.928,
319.103

■ 31, 83.928,
319.103

■ 31, 83.928,
319.103

■ 31, 84.098,
319.080

■ 33, 80.755,
319.540

■ 35, 75.788,
319.773

■ 37, 68.854,
319.780

■ 41, 60.396,
319.614

■ 44, 50.904,
319.324

■ 49, 40.802,
318.956

■ 53, 30.415,
318.544

■ 57, 19.970,

318.112

■ 62, 9.619, 317.675

Harmonies

Complementary

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



31, 83.928, 319.103



58, 82.340, 133.853

Rectangle

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



31, 83.928, 319.103



31, 83.928, 9.103



31, 83.928, 139.103



31, 83.928, 189.103

Sweetspot

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



31, 83.927, 319.103



67, 38.360, 318.591



24, 76.968, 300.142



33, 26.144, 318.756



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



31, 83.927, 319.103



41, 102.232, 318.924



36, 67.724, 341.111



32, 5.824, 317.667



28, 78.018, 319.151



1, 8.857, 315.617

Inverse Universe

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



33, 63.325, 24.562



44, 77.843, 25.997



58, 77.070, 140.023



32, 3.827, 0.322



30, 58.775, 24.286



1, 5.775, 1.257

Previews

White Background



This preview shows how the CIELCh color 31, 83.928, 319.103 looks on a white background.

Color Contrast Check

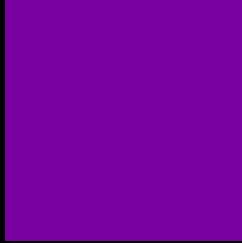
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.928, 319.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

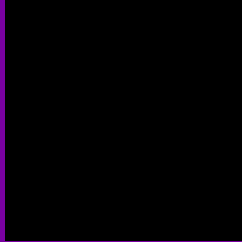
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 83.928, 319.103

Background



This preview shows how black text looks on a background with the CIELCh color 31, 83.928, 319.103.



This preview shows how white text looks on a background with the CIELCh color 31, 83.928, 319.103.

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, 83.928, 319.103

Protanopia

32, 51.434, 285.850

Tritanopia

32, 20.090, 14.258

Trichromacy



Original Color
31, 83.928, 319.103

Protanomaly
27, 69.952, 301.132

Tritanomaly
29, 44.951, 331.731

Monochromacy



Original Color
31, 83.928, 319.103

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 41.004, 319.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 83.928, 319.103 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(121, 1, 161)` looks like.

```
.text, #text, p{  
    color:rgb(121, 1, 161)  
}
```

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(121, 1, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 1, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 83.928, 319.103 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(121, 1, 161) }
```

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

```
.border{ border-color:rgb(121, 1, 161) }
```

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

Here you see how a box with a 4 pixel rgb(121, 1, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 1, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 1, 161);  
box-shadow:4px 4px 4px 4px rgb(121, 1,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 83.928, 319.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 1, 161) }
```

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

```
.background{ background-color: rgb(121, 1,  
161) }
```

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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