

Converting Colors

CIELCh(31, 90.223, 316.380)

Have a look what the booklet for
CIELCh(31, 90.223, 316.380)
contains.

CIELCh(31, 90.101, 316.323)	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, 90.101, 316.323)

Conversions

Conversions Part 1

Format	Color
Hex	7300AD
RGB	115, 0, 173
RGB Percent	45%, 0%, 68%
CMY	0.5493, 1.0000, 0.3218
CMYK	0.34, 1.00, 0.00, 0.32
HSL	280°, 100%, 34%
HSV	280°, 100%, 68%
XYZ	14.5956, 6.6515, 40.0150
YIQ	54.1070, 13.0070, 78.1830

Conversions

Conversions Part 2

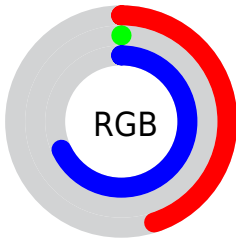
Format	Color
R_{YB}	115, 0, 173
Decimal	7536813
CIE _{Lab}	31.00, 65.17, -62.22
CIE _{LCh}	31, 90.101, 316.323
Yxy	6.6515, 0.2382, 0.1086
Android (android.graphics.Color)	4285726893 (0xFF7300AD)
YUV	54.1070, 58.6142, 53.4032
Hunter-Lab	25.7905, 55.8852, -73.9374

Details

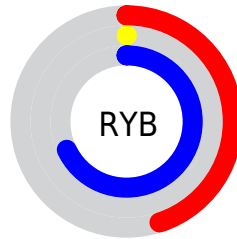
The CIELCh color **31, 90.101, 316.323** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **62, 85.453, 132.393**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 90.294, 316.340**, and **17, 71.057, 311.864** is the 20% darker color. If you saturate the color by 10%, you get **31, 90.077, 316.319**, and if you desaturate by 10%, it is **33, 86.501, 316.856**.

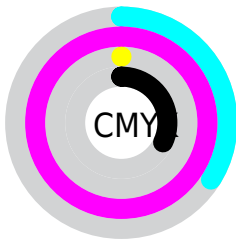
Distribution



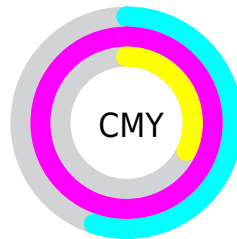
- Red (45%)
- Green (0%)
- Blue (68%)



- Red (45%)
- Yellow (0%)
- Blue (68%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)





- Cyan (55%)
- Magenta (100%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 90.101, 316.323 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, 90.101, 316.323 by changing the saturation by 10% instead.


 31, 90.101,
316.323


 31, 90.101,
316.323

 100, 90.101,
316.323


 21, 90.101,
316.323

 51, 90.101,
316.323


 11, 90.101,
316.323


 61, 90.101,
316.323

 1, 90.101, 316.323

 71, 90.101,
316.323

 0, 90.101, 316.323

 81, 90.101,
316.323

 91, 90.101,
316.323

■ 31, 90.101,
316.323

■ 31, 90.101,
316.323

■ 31, 90.077,
316.319

■ 33, 86.501,
316.856

■ 35, 80.973,
317.150

■ 39, 73.335,
317.173

■ 42, 64.139,
316.996

■ 47, 53.947,
316.687

■ 51, 43.216,
316.299

■ 56, 32.277,
315.872

■ 61, 21.347,

315.433

■ 66, 10.564,
314.998

Harmonies

Complementary

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



31, 90.101, 316.323



62, 85.453, 132.393

Rectangle

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



31, 90.101, 316.323



31, 90.101, 6.323



31, 90.101, 136.323



31, 90.101, 186.323

Sweetspot

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



31, 90.077, 316.319



71, 39.908, 315.895



30, 70.804, 295.457



35, 27.251, 316.071



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



31, 90.077, 316.319



41, 109.547, 316.143



40, 76.860, 335.224



34, 5.989, 314.968



27, 81.244, 316.432



1, 12.246, 311.511

Inverse Universe

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



36, 64.468, 17.552



48, 78.667, 18.634



62, 85.973, 137.689



34, 4.197, 354.356



31, 58.034, 16.861



2, 8.435, 357.815

Previews

White Background



This preview shows how the CIELCh color 31, 90.101, 316.323 looks on a white background.

Color Contrast Check

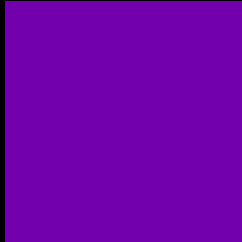
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.101, 316.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

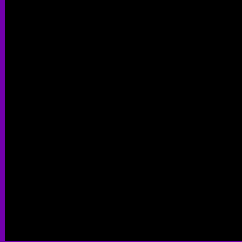
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 90.101, 316.323

Background



This preview shows how black text looks on a background with the CIELCh color 31, 90.101, 316.323.



This preview shows how white text looks on a background with the CIELCh color 31, 90.101, 316.323.

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, 90.101, 316.323

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 36.519, 272.688



Tritanopia
32, 13.482, 8.375

Trichromacy



Original Color
31, 90.101, 316.323

Protanomaly
27, 72.902, 301.383

Deuteranomaly
26, 62.855, 299.324

Tritanomaly
29, 45.670, 324.999

Monochromacy



Original Color
31, 90.101, 316.323

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 43.140, 317.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 90.101, 316.323 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(115, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 173)  
}
```

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(115, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 90.101, 316.323 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(115, 0, 173) }
```

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

```
.border{ border-color:rgb(115, 0, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 90.101, 316.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 173) }
```

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

```
.background{ background-color: rgb(115, 0,  
173) }
```

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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