

Converting Colors

CIELCh(31, 93.009, 314.780)

Have a look what the booklet for
CIELCh(31, 93.009, 314.780)
contains.

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Color

CIELCh(31, 92.850, 314.743)

Conversions

Conversions Part 1

Format	Color
Hex	6E03B3
RGB	110, 3, 179
RGB Percent	43%, 1%, 70%
CMY	0.5682, 0.9874, 0.2976
CMYK	0.39, 0.98, 0.00, 0.30
HSL	276°, 96%, 36%
HSV	276°, 98%, 70%
XYZ	14.6275, 6.6515, 43.2188
YIQ	55.0570, 7.2760, 77.4200

Conversions

Conversions Part 2

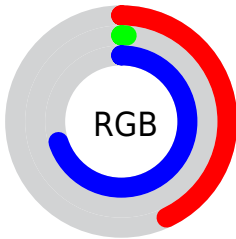
Format	Color
R_{YB}	110, 3, 179
Decimal	7209907
CIE _{Lab}	31.00, 65.36, -65.95
CIE _{LCh}	31, 92.850, 314.743
Yxy	6.6515, 0.2268, 0.1031
Android (android.graphics.Color)	4285399987 (0xFF6E03B3)
YUV	55.0570, 61.1039, 48.1850
Hunter-Lab	25.7905, 56.1057, -81.3028

Details

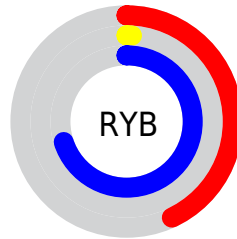
The CIELCh color **31, 92.850, 314.743** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **65, 85.817, 130.995**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 92.692, 314.682**, and **16, 74.851, 310.225** is the 20% darker color. If you saturate the color by 10%, you get **31, 93.531, 314.647**, and if you desaturate by 10%, it is **33, 88.731, 315.282**.

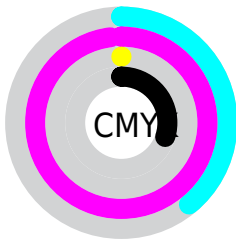
Distribution



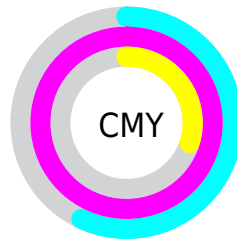
- Red (43%)
- Green (1%)
- Blue (70%)



- Red (43%)
- Yellow (1%)
- Blue (70%)



- Cyan (39%)
- Magenta (98%)
- Yellow (0%)
- Black (30%)





- Cyan (57%)
- Magenta (99%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 92.850, 314.743 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, 92.850, 314.743 by changing the saturation by 10% instead.


 31, 92.850,
314.743


 31, 92.850,
314.743

 100, 92.850,
314.743


 21, 92.850,
314.743

 51, 92.850,
314.743


 11, 92.850,
314.743


 61, 92.850,
314.743

 1, 92.850, 314.743

 71, 92.850,
314.743

 0, 92.850, 314.743

 81, 92.850,
314.743

 91, 92.850,
314.743

■ 31, 92.850,
314.743

■ 31, 92.850,
314.743

■ 31, 93.531,
314.647

■ 33, 88.731,
315.282

■ 36, 82.307,
315.510

■ 40, 73.825,
315.458

■ 44, 63.924,
315.213

■ 48, 53.188,
314.847

■ 53, 42.059,
314.416

■ 58, 30.834,
313.961

■ 63, 19.702,

313.506

■ 69, 8.773, 313.062

Harmonies

Complementary

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



31, 92.850, 314.743



65, 85.817, 130.995

Rectangle

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



31, 92.850, 314.743



31, 92.850, 4.743



31, 92.850, 134.743



31, 92.850, 184.743

Sweetspot

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



31, 92.850, 314.743



73, 39.182, 314.020



34, 65.566, 291.671



37, 27.189, 314.213



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



31, 92.850, 314.743



40, 113.689, 314.464



42, 81.725, 332.565



35, 6.051, 313.112



26, 83.188, 314.780



2, 14.129, 308.942

Inverse Universe

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



38, 64.685, 11.442



49, 79.237, 13.278



64, 89.309, 137.063



35, 4.441, 350.678



32, 57.910, 11.570



2, 10.055, 355.755

Previews

White Background



This preview shows how the CIELCh color 31, 92.850, 314.743 looks on a white background.

Color Contrast Check

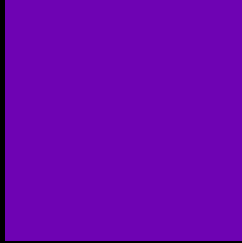
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.850, 314.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

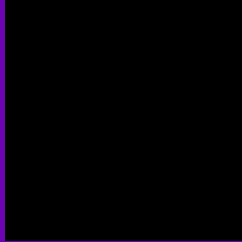
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 92.850, 314.743

Background



This preview shows how black text looks on a background with the CIELCh color 31, 92.850, 314.743.



This preview shows how white text looks on a background with the CIELCh color 31, 92.850, 314.743.

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, 92.850, 314.743

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 36.523, 273.064



Tritanopia

32, 9.036, 0.559

Trichromacy



Original Color
31, 92.850, 314.743



Protanomaly
27, 72.254, 300.690



Deuteranomaly
26, 63.489, 299.121



Tritanomaly
29, 45.303, 319.906

Monochromacy



Original Color
31, 92.850, 314.743



Achromatopsia
23, 0.004, 296.813



Achromatomaly
23, 43.509, 315.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 92.850, 314.743 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(110, 3, 179)` looks like.

```
.text, #text, p{  
    color:rgb(110, 3, 179)  
}
```

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(110, 3, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 3, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 92.850, 314.743 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(110, 3, 179) }
```

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

```
.border{ border-color:rgb(110, 3, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 3, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 3, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 3, 179);  
box-shadow:4px 4px 4px 4px rgb(110, 3,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 92.850, 314.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 3, 179) }
```

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

```
.background{ background-color: rgb(110, 3,  
179) }
```

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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