

Converting Colors

CIELCh(31, 92.797, 315.386)

Have a look what the booklet for
CIELCh(31, 92.797, 315.386)
contains.

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Color

CIELCh(31, 92.689, 315.257)

Conversions

Conversions Part 1

Format	Color
Hex	7000B2
RGB	112, 0, 178
RGB Percent	44%, 0%, 70%
CMY	0.5610, 1.0000, 0.3022
CMYK	0.37, 1.00, 0.00, 0.30
HSL	278°, 100%, 35%
HSV	278°, 100%, 70%
XYZ	14.7054, 6.6515, 42.6023
YIQ	53.7800, 9.6140, 79.1020

Conversions

Conversions Part 2

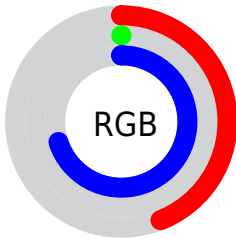
Format	Color
R_{YB}	112, 0, 178
Decimal	7340210
CIE Lab	31.00, 65.83, -65.25
CIE LCh	31, 92.689, 315.257
Yxy	6.6515, 0.2299, 0.1040
Android (android.graphics.Color)	4285530290 (0xFF7000B2)
YUV	53.7800, 61.2405, 51.0589
Hunter-Lab	25.7905, 56.6447, -79.8853

Details

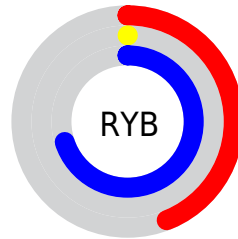
The CIELCh color **31, 92.689, 315.257** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **64, 86.517, 131.638**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 92.673, 315.224**, and **16, 74.124, 310.595** is the 20% darker color. If you saturate the color by 10%, you get **31, 92.671, 315.254**, and if you desaturate by 10%, it is **33, 88.891, 315.812**.

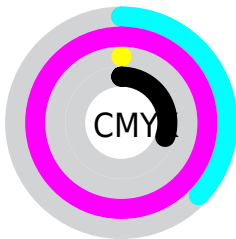
Distribution



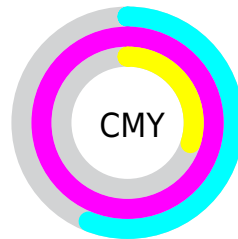
- Red (44%)
- Green (0%)
- Blue (70%)



- Red (44%)
- Yellow (0%)
- Blue (70%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (56%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 92.689, 315.257 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, 92.689, 315.257 by changing the saturation by 10% instead.


 31, 92.689,
315.257


 31, 92.689,
315.257

 100, 92.689,
315.257


 21, 92.689,
315.257

 51, 92.689,
315.257


 11, 92.689,
315.257


 61, 92.689,
315.257

 1, 92.689, 315.257

 71, 92.689,
315.257

 0, 92.689, 315.257

 81, 92.689,
315.257

 91, 92.689,
315.257

■ 31, 92.689,
315.257

■ 31, 92.689,
315.257

■ 31, 92.671,
315.254

■ 33, 88.891,
315.812

■ 36, 83.054,
316.106

■ 39, 75.059,
316.114

■ 43, 65.509,
315.915

■ 47, 54.996,
315.584

■ 52, 43.987,
315.176

■ 57, 32.811,
314.734

■ 62, 21.679,

314.286

■ 67, 10.720,
313.845

Harmonies

Complementary

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



31, 92.689, 315.257



64, 86.517, 131.638

Rectangle

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



31, 92.689, 315.257



31, 92.689, 5.257



31, 92.689, 135.257



31, 92.689, 185.257

Sweetspot

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



31, 92.671, 315.254



73, 40.728, 314.758



33, 68.508, 293.444



36, 28.088, 314.944



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, 92.671, 315.254



41, 113.180, 315.071



41, 80.535, 333.482



35, 6.082, 313.815



26, 82.830, 315.380



2, 14.198, 309.718

Inverse Universe

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



38, 65.138, 14.319



49, 79.695, 15.360



63, 88.954, 137.153



35, 4.385, 352.033



32, 58.163, 13.608



2, 9.966, 356.905

Previews

White Background



This preview shows how the CIELCh color 31, 92.689, 315.257 looks on a white background.

Color Contrast Check

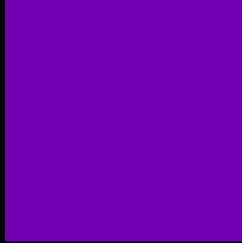
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.689, 315.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

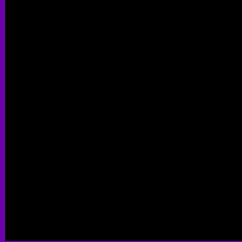
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 92.689, 315.257

Background



This preview shows how black text looks on a background with the CIELCh color 31, 92.689, 315.257.



This preview shows how white text looks on a background with the CIELCh color 31, 92.689, 315.257.

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, 92.689, 315.257

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 35.984, 272.051



Tritanopia
32, 10.941, 1.155

Trichromacy



Original Color
31, 92.689, 315.257



Protanomaly
27, 74.050, 301.383



Deuteranomaly
27, 63.464, 299.262

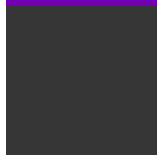


Tritanomaly
28, 46.161, 321.420

Monochromacy



Original Color
31, 92.689, 315.257



Achromatopsia
23, 0.004, 296.813



Achromatomaly
22, 44.221, 316.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 92.689, 315.257 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(112, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 178)  
}
```

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(112, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 92.689, 315.257 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(112, 0, 178) }
```

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

```
.border{ border-color:rgb(112, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 92.689, 315.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 178) }
```

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

```
.background{ background-color: rgb(112, 0,  
178) }
```

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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