

Converting Colors

CIELCh(31, 99.809, 312.657)

Have a look what the booklet for
CIELCh(31, 99.809, 312.657)
contains.

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Color

CIELCh(31, 99.983, 312.569)

Conversions

Conversions Part 1

Format	Color
Hex	6601C0
RGB	102, 1, 192
RGB Percent	40%, 0%, 75%
CMY	0.6000, 0.9961, 0.2471
CMYK	0.47, 0.99, 0.00, 0.25
HSL	272°, 99%, 38%
HSV	272°, 99%, 75%
XYZ	15.0035, 6.6515, 50.3586
YIQ	52.9730, -1.1150, 80.8130

Conversions

Conversions Part 2

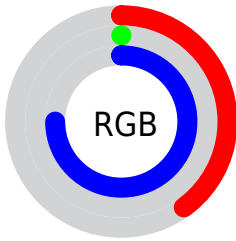
Format	Color
R _Y B	102, 1, 192
Decimal	6685120
CIE Lab	31.00, 67.64, -73.63
CIE LCh	31, 99.983, 312.569
Yxy	6.6515, 0.2083, 0.0924
Android (android.graphics.Color)	4284875200 (0xFF6601C0)
YUV	52.9730, 68.5403, 42.9967
Hunter-Lab	25.7905, 58.7082, -97.7165

Details

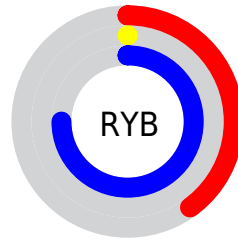
The CIELCh color **31, 99.983, 312.569** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **69, 88.800, 128.962**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 99.971, 312.552**, and **16, 82.276, 307.914** is the 20% darker color. If you saturate the color by 10%, you get **31, 100.200, 312.543**, and if you desaturate by 10%, it is **33, 95.526, 313.112**.

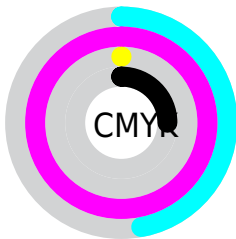
Distribution



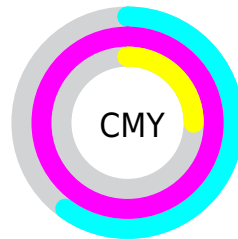
- Red (40%)
- Green (0%)
- Blue (75%)



- Red (40%)
- Yellow (0%)
- Blue (75%)



- Cyan (47%)
- Magenta (99%)
- Yellow (0%)
- Black (25%)





- Cyan (60%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 99.983, 312.569 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, 99.983, 312.569 by changing the saturation by 10% instead.


 31, 99.983,
312.569


 31, 99.983,
312.569

 100, 99.983,
312.569


 21, 99.983,
312.569

 51, 99.983,
312.569


 11, 99.983,
312.569


 61, 99.983,
312.569

 1, 99.983, 312.569

 71, 99.983,
312.569

 0, 99.983, 312.569

 81, 99.983,
312.569

 91, 99.983,
312.569

■ 31, 99.983,
312.569

■ 31, 99.983,
312.569

■ 31, 100.200,
312.543

■ 33, 95.526,
313.112

■ 37, 88.622,
313.323

■ 41, 79.461,
313.216

■ 45, 68.809,
312.898

■ 50, 57.338,
312.456

■ 56, 45.528,
311.957

■ 61, 33.688,
311.444

■ 67, 22.002,

310.944

■ 72, 10.571,
310.469

Harmonies

Complementary

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



31, 99.983, 312.569



69, 88.800, 128.962

Rectangle

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



31, 99.983, 312.569



31, 99.983, 2.569



31, 99.983, 132.569



31, 99.983, 182.569

Sweetspot

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



31, 99.983, 312.570



77, 42.499, 311.495



41, 60.147, 285.582



38, 29.111, 311.713



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



31, 99.983, 312.570



41, 122.359, 312.363



45, 92.047, 328.900



38, 6.364, 310.464



25, 87.690, 312.693



2, 20.319, 306.386

Inverse Universe

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



41, 68.148, 4.684



54, 83.152, 5.720



68, 96.332, 136.164



38, 4.995, 345.984



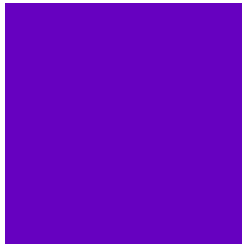
34, 59.821, 4.229



3, 15.591, 354.053

Previews

White Background



This preview shows how the CIELCh color 31, 99.983, 312.569 looks on a white background.

Color Contrast Check

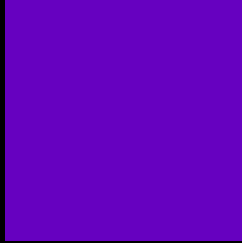
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.983, 312.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

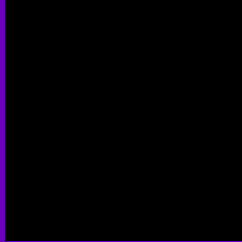
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 99.983, 312.569

Background



This preview shows how black text looks on a background with the CIELCh color 31, 99.983, 312.569.

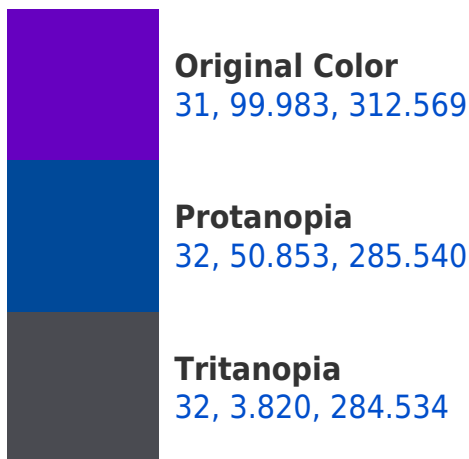


This preview shows how white text looks on a background with the CIELCh color 31, 99.983, 312.569.

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



Trichromacy



Original Color
31, 99.983, 312.569

Protanomaly
27, 75.767, 300.966

Tritanomaly
28, 47.830, 311.780

Monochromacy



Original Color
31, 99.983, 312.569

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 46.985, 313.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 99.983, 312.569 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(102, 1, 192)` looks like.

```
.text, #text, p{  
    color:rgb(102, 1, 192)  
}
```

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(102, 1, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 1, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 99.983, 312.569 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(102, 1, 192) }
```

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

```
.border{ border-color:rgb(102, 1, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 1, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 1, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 1, 192);  
box-shadow:4px 4px 4px 4px rgb(102, 1,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 99.983, 312.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 1, 192) }
```

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

```
.background{ background-color: rgb(102, 1,  
192) }
```

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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