

Converting Colors

CIELCh(29, 113.016, 315.312)

Have a look what the booklet for
CIELCh(29, 113.016, 315.312)
contains.

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Color

CIELCh(32, 101.063, 313.334)

Conversions

Conversions Part 1

Format	Color
Hex	6D00C3
RGB	109, 0, 195
RGB Percent	43%, 0%, 76%
CMY	0.5743, 1.0000, 0.2367
CMYK	0.44, 1.00, 0.00, 0.24
HSL	273°, 100%, 38%
HSV	273°, 100%, 76%
XYZ	16.0302, 7.0852, 51.9378
YIQ	54.8210, 2.3690, 83.7530

Conversions

Conversions Part 2

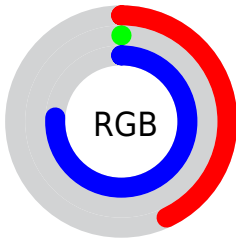
Format	Color
RYB	109, 0, 195
Decimal	7143619
CIELab	32.00, 69.35, -73.51
CIELCh	32, 101.063, 313.334
Yxy	7.0852, 0.2136, 0.0944
Android (android.graphics.Color)	4285333699 (0xFF6D00C3)
YUV	54.8210, 69.1082, 47.5150
Hunter-Lab	26.6180, 60.9173, -97.0559

Details

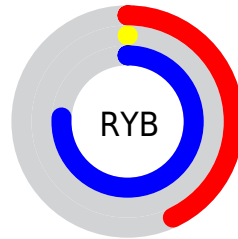
The CIELCh color **32, 101.063, 313.334** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **70, 90.706, 129.882**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.736, 313.318**, and **18, 82.690, 308.729** is the 20% darker color. If you saturate the color by 10%, you get **32, 100.609, 313.250**, and if you desaturate by 10%, it is **34, 96.374, 313.828**.

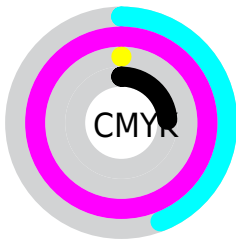
Distribution



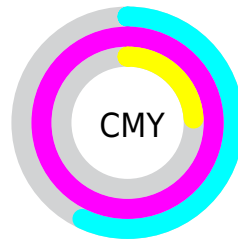
- Red (43%)
- Green (0%)
- Blue (76%)



- Red (43%)
- Yellow (0%)
- Blue (76%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (57%)
- Magenta (100%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 101.063, 313.334 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 32, 101.063, 313.334 by changing the saturation by 10% instead.


 32, 101.063,
313.334


 32, 101.063,
313.334


 100, 101.063,
313.334


 22, 101.063,
313.334


 52, 101.063,
313.334


 12, 101.063,
313.334


 62, 101.063,
313.334

 2, 101.063,
313.334

 72, 101.063,
313.334

 0, 101.063,
313.334

 82, 101.063,
313.334

 92, 101.063,
313.334

■ 32, 101.063,
313.334

■ 32, 101.063,
313.334

■ 32, 100.609,
313.250

■ 34, 96.374,
313.828

■ 37, 89.748,
314.095

■ 41, 80.783,
314.044

■ 46, 70.220,
313.776

■ 51, 58.735,
313.376

■ 56, 46.832,
312.910

■ 62, 34.845,
312.421

■ 67, 22.977,

311.937

■ 73, 11.345,
311.473

Harmonies

Complementary

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



32, 101.063, 313.334



70, 90.706, 129.882

Rectangle

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



32, 101.063, 313.334



32, 101.063, 3.334



32, 101.063, 133.334



32, 101.063, 183.334

Sweetspot

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



32, 100.609, 313.250



78, 43.057, 312.444



39, 65.254, 288.759



39, 29.729, 312.655



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 100.609, 313.250



42, 122.533, 313.075



46, 90.672, 330.333



38, 6.404, 311.444



26, 87.154, 313.409



2, 20.436, 307.454

Inverse Universe

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



42, 68.910, 7.754



54, 83.841, 8.605



69, 96.849, 136.395



38, 4.903, 347.651



34, 59.761, 6.992



3, 15.375, 355.745

Previews

White Background



This preview shows how the CIELCh color 32, 101.063, 313.334 looks on a white background.

Color Contrast Check

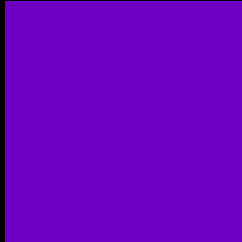
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 101.063, 313.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

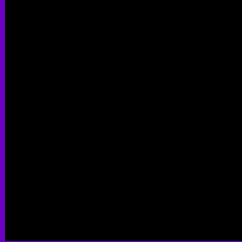
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 101.063, 313.334

Background



This preview shows how black text looks on a background with the CIELCh color 32, 101.063, 313.334.



This preview shows how white text looks on a background with the CIELCh color 32, 101.063, 313.334.

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


32, 100.723, 313.280

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 37.048, 272.568



Tritanopia
33, 4.598, 324.777

Trichromacy



Original Color
32, 100.723, 313.280

Protanomaly
28, 77.295, 301.130

Deuteranomaly
27, 67.482, 299.340

Tritanomaly
29, 49.169, 314.600

Monochromacy



Original Color
32, 100.723, 313.280

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 47.515, 313.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 101.063, 313.334 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(109, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 195)  
}
```

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(109, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 101.063, 313.334 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(109, 0, 195) }
```

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

```
.border{ border-color:rgb(109, 0, 195) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 101.063, 313.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 195) }
```

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

```
.background{ background-color: rgb(109, 0,  
195) }
```

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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