

Converting Colors

CIELCh(32, 92.163, 316.411)

Have a look what the booklet for
CIELCh(32, 92.163, 316.411)
contains.

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Color

CIELCh(32, 91.968, 316.416)

Conversions

Conversions Part 1

Format	Color
Hex	7700B2
RGB	119, 0, 178
RGB Percent	47%, 0%, 70%
CMY	0.5346, 1.0000, 0.3032
CMYK	0.33, 1.00, 0.00, 0.30
HSL	280°, 100%, 35%
HSV	280°, 100%, 70%
XYZ	15.5586, 7.0852, 42.4993
YIQ	55.8730, 13.7860, 80.5860

Conversions

Conversions Part 2

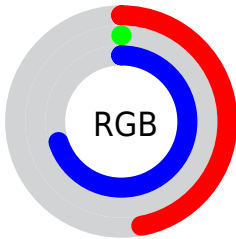
Format	Color
R_{YB}	119, 0, 178
Decimal	7798962
CIE _{Lab}	32.00, 66.62, -63.40
CIE _{LCh}	32, 91.968, 316.416
Yxy	7.0852, 0.2388, 0.1088
Android (android.graphics.Color)	4285989042 (0xFF7700B2)
YUV	55.8730, 60.2086, 55.3624
Hunter-Lab	26.6180, 57.7547, -76.0322

Details

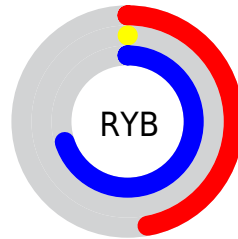
The CIELCh color **32, 91.968, 316.416** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **64, 87.284, 132.488**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 92.141, 316.427**, and **18, 73.023, 312.102** is the 20% darker color. If you saturate the color by 10%, you get **32, 91.857, 316.398**, and if you desaturate by 10%, it is **34, 88.294, 316.945**.

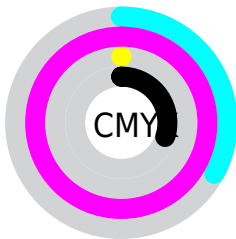
Distribution



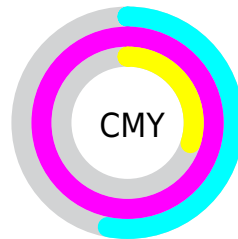
- Red (47%)
- Green (0%)
- Blue (70%)



- Red (47%)
- Yellow (0%)
- Blue (70%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (53%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 91.968, 316.416 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, 91.968, 316.416 by changing the saturation by 10% instead.


 32, 91.968,
316.416


 32, 91.968,
316.416

 100, 91.968,
316.416


 22, 91.968,
316.416

 52, 91.968,
316.416


 12, 91.968,
316.416


 62, 91.968,
316.416

 2, 91.968, 316.416

 72, 91.968,
316.416

 0, 91.968, 316.416

 82, 91.968,
316.416

 92, 91.968,
316.416

■ 32, 91.968,
316.416

■ 32, 91.968,
316.416

■ 32, 91.857,
316.398

■ 34, 88.294,
316.945

■ 36, 82.703,
317.244

■ 40, 74.942,
317.272

■ 43, 65.573,
317.100

■ 48, 55.170,
316.793

■ 52, 44.205,
316.406

■ 57, 33.020,
315.979

■ 62, 21.841,

315.540

■ 67, 10.809,
315.104

Harmonies

Complementary

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



32, 91.968, 316.416



64, 87.284, 132.488

Rectangle

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



32, 91.968, 316.416



32, 91.968, 6.416



32, 91.968, 136.416



32, 91.968, 186.416

Sweetspot

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



32, 91.857, 316.398



73, 41.036, 316.002



30, 74.370, 296.496



36, 28.284, 316.182



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



32, 91.857, 316.398



42, 112.291, 316.223



41, 77.409, 336.168



35, 6.140, 315.075



27, 82.206, 316.515



2, 14.336, 311.155

Inverse Universe

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



37, 65.890, 17.982



49, 80.833, 19.064



63, 87.167, 137.952



35, 4.292, 354.579



32, 58.840, 17.253



2, 9.815, 359.043

Previews

White Background



This preview shows how the CIELCh color 32, 91.968, 316.416 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, 91.968, 316.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

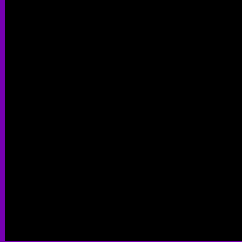
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 91.968, 316.416

Background



This preview shows how black text looks on a background with the CIELCh color 32, 91.968, 316.416.



This preview shows how white text looks on a background with the CIELCh color 32, 91.968, 316.416.

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, 91.968, 316.416

Protanopia

33, 53.037, 286.186

Deuteranopia

33, 37.584, 273.177



Tritanopia
33, 14.430, 6.933

Trichromacy



Original Color
32, 91.968, 316.416

Protanomaly
28, 74.404, 301.246

Deuteranomaly
27, 64.491, 299.460

Tritanomaly
30, 46.798, 325.078

Monochromacy



Original Color
32, 91.968, 316.416

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 43.649, 317.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 91.968, 316.416 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(119, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 91.968, 316.416 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(119, 0, 178) }
```

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

```
.border{ border-color:rgb(119, 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(119, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 91.968, 316.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 178) }
```

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

```
.background{ background-color: rgb(119, 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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