

Converting Colors

CIELCh(32, 106.413, 311.445)

Have a look what the booklet for
CIELCh(32, 106.413, 311.445)
contains.

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Color

CIELCh(32, 106.329, 311.437)

Conversions

Conversions Part 1

Format	Color
Hex	6300CD
RGB	99, 0, 205
RGB Percent	39%, 0%, 80%
CMY	0.6110, 0.9988, 0.1955
CMYK	0.52, 1.00, 0.00, 0.20
HSL	269°, 100%, 40%
HSV	269°, 100%, 80%
XYZ	16.2074, 7.0852, 58.3719
YIQ	52.9710, -6.8010, 84.7430

Conversions

Conversions Part 2

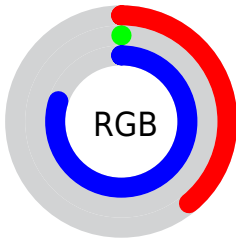
Format	Color
R_{YB}	99, 0, 205
Decimal	6488269
CIE _{Lab}	32.00, 70.37, -79.71
CIE _{LCh}	32, 106.329, 311.437
Yxy	7.0852, 0.1985, 0.0868
Android (android.graphics.Color)	4284678349 (0xFF6300CD)
YUV	52.9710, 74.9503, 40.3674
Hunter-Lab	26.6180, 62.1050, -111.3875

Details

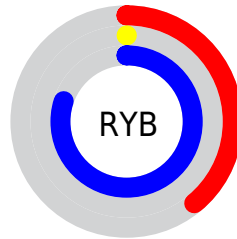
The CIELCh color **32, 106.329, 311.437** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **74, 92.130, 127.560**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 102.388, 312.048**, and **17, 88.734, 306.922** is the 20% darker color. If you saturate the color by 10%, you get **32, 106.398, 311.430**, and if you desaturate by 10%, it is **34, 101.600, 311.961**.

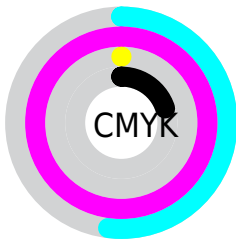
Distribution



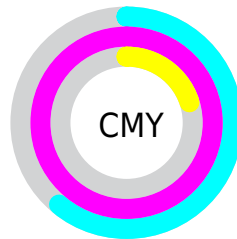
- Red (39%)
- Green (0%)
- Blue (80%)



- Red (39%)
- Yellow (0%)
- Blue (80%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (61%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 106.329, 311.437 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, 106.329, 311.437 by changing the saturation by 10% instead.


 32, 106.329,
311.437


 32, 106.329,
311.437


 100, 106.329,
311.437


 22, 106.329,
311.437


 52, 106.329,
311.437


 12, 106.329,
311.437


 62, 106.329,
311.437

 2, 106.329,
311.437

 72, 106.329,
311.437

 0, 106.329,
311.437

 82, 106.329,
311.437

 92, 106.329,
311.437

■ 32, 106.329,
311.437

■ 32, 106.329,
311.437

■ 32, 106.398,
311.430

■ 34, 101.600,
311.961

■ 38, 94.190,
312.130

■ 42, 84.347,
311.960

■ 47, 72.949,
311.570

■ 53, 60.740,
311.061

■ 58, 48.233,
310.504

■ 64, 35.747,
309.942

■ 70, 23.464,

309.403

■ 76, 11.478,
308.898

Harmonies

Complementary

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



32, 106.329, 311.437



74, 92.130, 127.560

Rectangle

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



32, 106.329, 311.437



32, 106.329, 1.437



32, 106.329, 131.437



32, 106.329, 181.437

Sweetspot

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



32, 106.330, 311.438



78, 42.893, 309.971



46, 57.604, 280.891



39, 29.405, 310.210



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, 106.330, 311.438



40, 125.525, 311.288



48, 98.223, 326.912



40, 6.577, 308.876



25, 90.644, 311.601



2, 24.462, 306.003

Inverse Universe

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



44, 72.100, 0.624



55, 84.861, 1.263



72, 101.465, 135.900



40, 5.374, 343.453



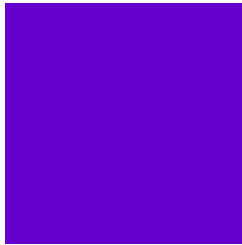
35, 61.638, 359.998



4, 20.099, 352.442

Previews

White Background



This preview shows how the CIELCh color 32, 106.329, 311.437 looks on a white background.

Color Contrast Check

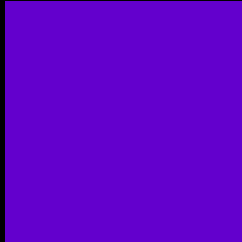
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 106.329, 311.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

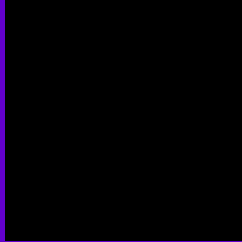
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 106.329, 311.437

Background



This preview shows how black text looks on a background with the CIELCh color 32, 106.329, 311.437.



This preview shows how white text looks on a background with the CIELCh color 32, 106.329, 311.437.

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

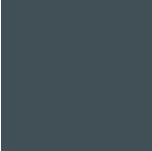
32, 106.329, 311.437

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.987, 271.297



Tritanopia
33, 7.300, 230.033

Trichromacy



Original Color
32, 106.329, 311.437

Protanomaly
28, 79.577, 301.106

Deuteranomaly
28, 69.276, 299.253

Tritanomaly
28, 50.372, 307.261

Monochromacy



Original Color
32, 106.329, 311.437

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 49.272, 311.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 106.329, 311.437 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(99, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 205)  
}
```

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(99, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 106.329, 311.437 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(99, 0, 205) }
```

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

```
.border{ border-color:rgb(99, 0, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 0, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(99, 0, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 106.329, 311.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 205) }
```

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

```
.background{ background-color: rgb(99, 0,  
205) }
```

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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