

Converting Colors

CIELCh(32, 117.801, 308.919)

Have a look what the booklet for
CIELCh(32, 117.801, 308.919)
contains.

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Color

CIELCh(32, 117.666, 308.900)

Conversions

Conversions Part 1

Format	Color
Hex	4E00E2
RGB	78, 0, 226
RGB Percent	31%, 0%, 89%
CMY	0.6925, 1.0000, 0.1155
CMYK	0.65, 1.00, 0.00, 0.12
HSL	261°, 100%, 44%
HSV	261°, 100%, 88%
XYZ	16.8328, 7.0852, 72.1102
YIQ	49.0860, -26.0580, 86.8220

Conversions

Conversions Part 2

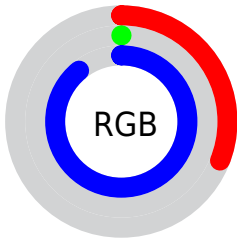
Format	Color
R_{YB}	78, 0, 226
Decimal	5112034
CIE _{Lab}	32.00, 73.89, -91.57
CIE _{LCh}	32, 117.666, 308.900
Yxy	7.0852, 0.1753, 0.0738
Android (android.graphics.Color)	4283302114 (0xFF4E00E2)
YUV	49.0860, 87.2186, 25.3576
Hunter-Lab	26.6180, 66.2994, -141.9888

Details

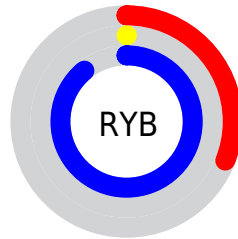
The CIELCh color **32, 117.666, 308.900** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **82, 94.702, 122.303**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 103.401, 310.028**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 117.530, 308.873**, and if you desaturate by 10%, it is **35, 112.070, 309.167**.

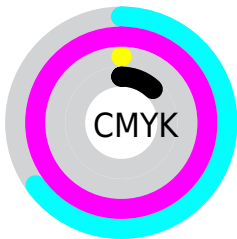
Distribution



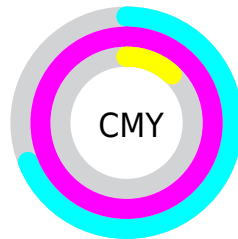
- Red (31%)
- Green (0%)
- Blue (89%)



- Red (31%)
- Yellow (0%)
- Blue (89%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (69%)
- Magenta (100%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 117.666, 308.900 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, 117.666, 308.900 by changing the saturation by 10% instead.


 32, 117.666,
308.900


 32, 117.666,
308.900


 100, 117.666,
308.900


 22, 117.666,
308.900


 52, 117.666,
308.900


 12, 117.666,
308.900


 62, 117.666,
308.900

 2, 117.666,
308.900

 72, 117.666,
308.900

 0, 117.666,
308.900

 82, 117.666,
308.900

 92, 117.666,
308.900

■ 32, 117.666,
308.900

■ 32, 117.666,
308.900

■ 32, 117.530,
308.873

■ 35, 112.070,
309.167

■ 39, 103.322,
309.037

■ 44, 91.870,
308.532

■ 50, 78.901,
307.817

■ 56, 65.304,
307.017

■ 63, 51.621,
306.214

■ 69, 38.144,
305.453

■ 76, 25.017,

304.755

■ 83, 12.301,
304.128

Harmonies

Complementary

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



32, 117.666, 308.900



82, 94.702, 122.303

Rectangle

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



32, 117.666, 308.900



32, 117.666, 358.900



32, 117.666, 128.900



32, 117.666, 178.900

Sweetspot

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



32, 117.530, 308.873



77, 42.149, 305.468



59, 47.594, 262.801



38, 28.945, 305.785



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, 117.530, 308.873



37, 129.058, 308.807



47, 106.875, 321.814



43, 6.949, 304.095



24, 97.427, 309.035



3, 32.526, 304.783

Inverse Universe

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



50, 81.566, 348.910



56, 89.375, 349.104



79, 107.846, 135.119



44, 6.387, 336.923



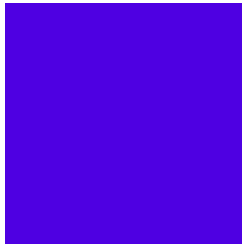
39, 67.964, 348.452



7, 28.531, 344.237

Previews

White Background



This preview shows how the CIE LCh color 32, 117.666, 308.900 looks on a white background.

Color Contrast Check

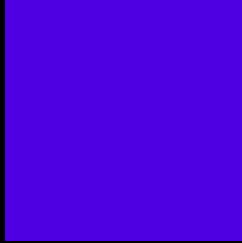
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.666, 308.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

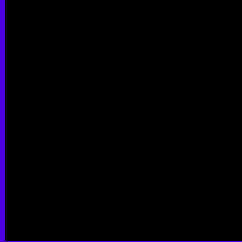
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 117.666, 308.900

Background



This preview shows how black text looks on a background with the CIELCh color 32, 117.666, 308.900.



This preview shows how white text looks on a background with the CIELCh color 32, 117.666, 308.900.

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, 117.764, 308.833

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 35.984, 271.673



Tritanopia
32, 21.806, 206.762

Trichromacy



Original Color
32, 117.764, 308.833

Protanomaly
28, 83.623, 301.206

Deuteranomaly
28, 74.056, 299.500

Tritanomaly
26, 55.644, 294.945

Monochromacy



Original Color
32, 117.764, 308.833

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 54.207, 308.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 117.666, 308.900 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(78, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 226)  
}
```

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(78, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 117.666, 308.900 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(78, 0, 226) }
```

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

```
.border{ border-color:rgb(78, 0, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 0, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(78, 0, 226)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 117.666, 308.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 226) }
```

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

```
.background{ background-color: rgb(78, 0,  
226) }
```

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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