

Converting Colors

CIELCh(32, 119.440, 308.631)

Have a look what the booklet for
CIELCh(32, 119.440, 308.631)
contains.

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Color

CIELCh(32, 119.336, 308.571)

Conversions

Conversions Part 1

Format	Color
Hex	4A00E5
RGB	74, 0, 229
RGB Percent	29%, 0%, 90%
CMY	0.7082, 1.0000, 0.1037
CMYK	0.67, 1.00, 0.00, 0.10
HSL	260°, 100%, 45%
HSV	260°, 100%, 90%
XYZ	16.9255, 7.0852, 74.2764
YIQ	48.2320, -29.4050, 86.9070

Conversions

Conversions Part 2

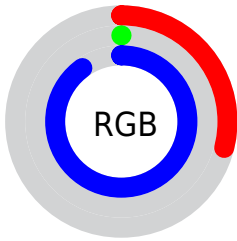
Format	Color
RYB	74, 0, 229
Decimal	4849893
CIELab	32.00, 74.40, -93.30
CIElCh	32, 119.336, 308.571
Yxy	7.0852, 0.1722, 0.0721
Android (android.graphics.Color)	4283039973 (0xFF4A00E5)
YUV	48.2320, 89.1186, 22.5985
Hunter-Lab	26.6180, 66.9207, -146.8139

Details

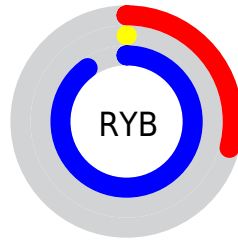
The CIELCh color **32, 119.336, 308.571** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **83, 94.973, 121.297**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 103.480, 309.760**, and **20, 99.616, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 119.201, 308.544**, and if you desaturate by 10%, it is **35, 113.648, 308.785**.

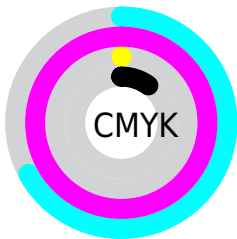
Distribution



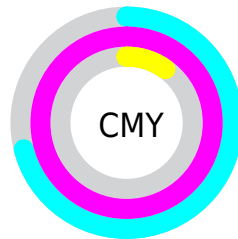
- Red (29%)
- Green (0%)
- Blue (90%)



- Red (29%)
- Yellow (0%)
- Blue (90%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (71%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 119.336, 308.571 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, 119.336, 308.571 by changing the saturation by 10% instead.


 32, 119.336,
308.571


 32, 119.336,
308.571


 100, 119.336,
308.571


 22, 119.336,
308.571


 52, 119.336,
308.571


 12, 119.336,
308.571


 62, 119.336,
308.571

 2, 119.336,
308.571

 72, 119.336,
308.571

 0, 119.336,
308.571

 82, 119.336,
308.571

 92, 119.336,
308.571

■ 32, 119.336,
308.571

■ 32, 119.336,
308.571

■ 32, 119.201,
308.544

■ 35, 113.648,
308.785

■ 39, 104.690,
308.588

■ 44, 92.981,
308.012

■ 50, 79.763,
307.228

■ 56, 65.951,
306.368

■ 63, 52.090,
305.514

■ 70, 38.466,
304.711

■ 77, 25.216,

303.980

■ 84, 12.393,
303.326

Harmonies

Complementary

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



32, 119.336, 308.571



83, 94.973, 121.297

Rectangle

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



32, 119.336, 308.571



32, 119.336, 358.571



32, 119.336, 128.571



32, 119.336, 178.571

Sweetspot

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



32, 119.201, 308.544



77, 42.050, 304.725



61, 46.672, 259.932



38, 28.884, 305.058



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, 119.201, 308.544



36, 129.584, 308.488



47, 108.193, 321.204



44, 7.056, 303.293



24, 98.888, 308.697



3, 34.598, 305.018

Inverse Universe

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



51, 83.427, 347.156



56, 90.522, 347.311



80, 108.695, 134.960



45, 6.610, 335.967



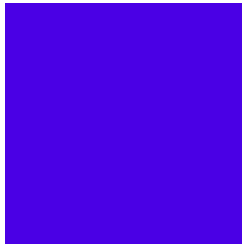
39, 69.562, 346.749



7, 30.067, 343.071

Previews

White Background



This preview shows how the CIELCh color 32, 119.336, 308.571 looks on a white background.

Color Contrast Check

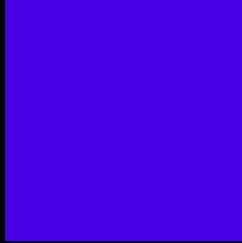
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.336, 308.571 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, 119.336, 308.571

Background



This preview shows how black text looks on a background with the CIELCh color 32, 119.336, 308.571.



This preview shows how white text looks on a background with the CIELCh color 32, 119.336, 308.571.

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, 119.430, 308.510

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 35.455, 271.014



Tritanopia
32, 21.806, 206.762

Trichromacy



Original Color
32, 119.430, 308.510

Protanomaly
28, 84.208, 301.152

Deuteranomaly
28, 74.098, 299.354

Tritanomaly
26, 56.280, 294.850

Monochromacy



Original Color
32, 119.430, 308.510

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 54.855, 307.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 119.336, 308.571 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(74, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 229)  
}
```

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(74, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 119.336, 308.571 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(74, 0, 229) }
```

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

```
.border{ border-color:rgb(74, 0, 229) }
```

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

Here you see how a box with a 4 pixel rgb(74, 0, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(74, 0, 229)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 119.336, 308.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 229) }
```

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

```
.background{ background-color: rgb(74, 0,  
229) }
```

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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