

Converting Colors

CIELCh(32, 111.428, 310.104)

Have a look what the booklet for
CIELCh(32, 111.428, 310.104)
contains.

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Color

CIELCh(32, 111.589, 310.066)

Conversions

Conversions Part 1

Format	Color
Hex	5A01D7
RGB	90, 1, 215
RGB Percent	35%, 0%, 84%
CMY	0.6475, 0.9969, 0.1573
CMYK	0.58, 1.00, 0.00, 0.16
HSL	265°, 99%, 42%
HSV	265°, 100%, 84%
XYZ	16.4644, 7.0852, 64.7177
YIQ	52.0070, -15.6500, 85.4220

Conversions

Conversions Part 2

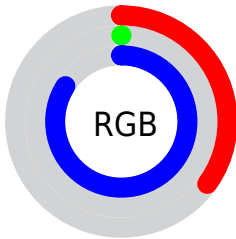
Format	Color
RYB	90, 1, 215
Decimal	5898711
CIELab	32.00, 71.83, -85.40
CIElCh	32, 111.589, 310.066
Yxy	7.0852, 0.1865, 0.0803
Android (android.graphics.Color)	4284088791 (0xFF5A01D7)
YUV	52.0070, 80.3555, 33.3199
Hunter-Lab	26.6180, 63.8290, -125.5225

Details

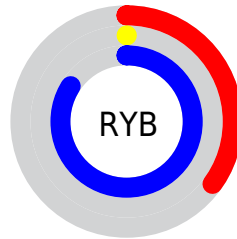
The CIELCh color **32, 111.589, 310.066** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **78, 93.274, 125.119**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 102.625, 311.040**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 111.764, 310.052**, and if you desaturate by 10%, it is **35, 106.421, 310.494**.

Distribution



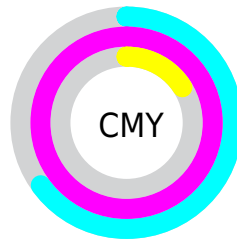
- Red (35%)
- Green (0%)
- Blue (84%)



- Red (35%)
- Yellow (0%)
- Blue (84%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (65%)
- Magenta (100%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 111.589, 310.066 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, 111.589, 310.066 by changing the saturation by 10% instead.


 32, 111.589,
310.066


 32, 111.589,
310.066


 100, 111.589,
310.066


 22, 111.589,
310.066


 52, 111.589,
310.066


 12, 111.589,
310.066


 62, 111.589,
310.066

 2, 111.589,
310.066

 72, 111.589,
310.066

 0, 111.589,
310.066

 82, 111.589,
310.066

 92, 111.589,
310.066

■ 32, 111.589,
310.066

■ 32, 111.589,
310.066

■ 32, 111.764,
310.052

■ 35, 106.421,
310.494

■ 38, 98.265,
310.524

■ 43, 87.588,
310.202

■ 49, 75.406,
309.666

■ 54, 62.522,
309.029

■ 61, 49.455,
308.364

■ 67, 36.505,
307.716

■ 73, 23.833,

307.110

■ 80, 11.516,
306.554

Harmonies

Complementary

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



32, 111.589, 310.066



78, 93.274, 125.119

Rectangle

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



32, 111.589, 310.066



32, 111.589, 0.066



32, 111.589, 130.066



32, 111.589, 180.066

Sweetspot

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



32, 111.590, 310.067



78, 42.496, 307.757



53, 52.038, 272.722



38, 29.159, 308.030



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, 111.590, 310.067



38, 127.321, 309.948



47, 102.181, 324.327



42, 6.763, 306.543



25, 94.024, 310.223



3, 28.503, 305.278

Inverse Universe

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



47, 76.134, 354.550



56, 86.519, 355.027



75, 104.587, 135.613



42, 5.857, 340.077



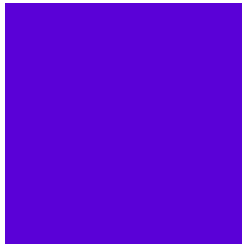
37, 64.358, 354.090



5, 24.550, 348.454

Previews

White Background



This preview shows how the CIE LCh color 32, 111.589, 310.066 looks on a white background.

Color Contrast Check

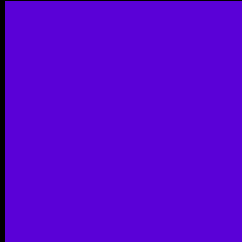
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.589, 310.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

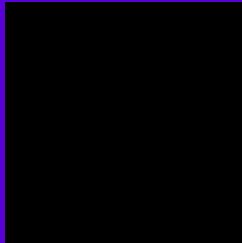
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 111.589, 310.066

Background



This preview shows how black text looks on a background with the CIELCh color 32, 111.589, 310.066.



This preview shows how white text looks on a background with the CIELCh color 32, 111.589, 310.066.

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, 111.589, 310.066

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 35.984, 271.673



Tritanopia
33, 16.067, 211.130

Trichromacy



Original Color
32, 111.589, 310.066

Protanomaly
28, 81.361, 301.232

Deuteranomaly
28, 71.056, 299.212

Tritanomaly
27, 52.077, 299.945

Monochromacy



Original Color
32, 111.589, 310.066

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 51.665, 310.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 111.589, 310.066 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(90, 1, 215)` looks like.

```
.text, #text, p{  
    color:rgb(90, 1, 215)  
}
```

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(90, 1, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 1, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 111.589, 310.066 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(90, 1, 215) }
```

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

```
.border{ border-color:rgb(90, 1, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 1, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 1, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 1, 215);  
box-shadow:4px 4px 4px 4px rgb(90, 1, 215)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 111.589, 310.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 1, 215) }
```

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

```
.background{ background-color: rgb(90, 1,  
215) }
```

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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