

Converting Colors

CIELCh(32, 112.732, 309.936)

Have a look what the booklet for
CIELCh(32, 112.732, 309.936)
contains.

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Color

CIELCh(32, 112.732, 309.936)

Conversions

Conversions Part 1

Format	Color
Hex	5900D9
RGB	89, 0, 217
RGB Percent	35%, 0%, 85%
CMY	0.6524, 1.0000, 0.1503
CMYK	0.59, 1.00, 0.00, 0.15
HSL	265°, 100%, 42%
HSV	265°, 100%, 85%
XYZ	16.5603, 7.0852, 65.9250
YIQ	51.3490, -16.6130, 86.3550

Conversions

Conversions Part 2

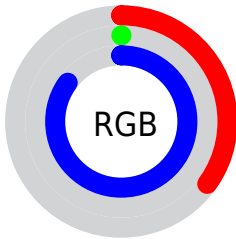
Format	Color
R_{YB}	89, 0, 217
Decimal	5832921
CIE _{Lab}	32.00, 72.37, -86.44
CIE _{LCh}	32, 112.732, 309.936
Yxy	7.0852, 0.1849, 0.0791
Android (android.graphics.Color)	4284023001 (0xFF5900D9)
YUV	51.3490, 81.6659, 33.0199
Hunter-Lab	26.6180, 64.4717, -128.2115

Details

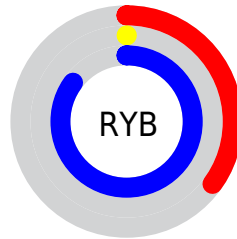
The CIELCh color **32, 112.732, 309.936** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **78, 93.755, 124.883**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 102.625, 311.040**, and **18, 94.441, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 112.634, 309.917**, and if you desaturate by 10%, it is **35, 107.484, 310.338**.

Distribution



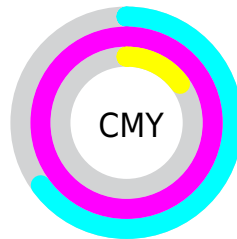
- Red (35%)
- Green (0%)
- Blue (85%)



- Red (35%)
- Yellow (0%)
- Blue (85%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (65%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 112.732, 309.936 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, 112.732, 309.936 by changing the saturation by 10% instead.


 32, 112.732,
309.936


 32, 112.732,
309.936


 100, 112.732,
309.936


 22, 112.732,
309.936


 52, 112.732,
309.936


 12, 112.732,
309.936


 62, 112.732,
309.936

 2, 112.732,
309.936

 72, 112.732,
309.936

 0, 112.732,
309.936

 82, 112.732,
309.936

 92, 112.732,
309.936

■ 32, 112.732,
309.936

■ 32, 112.732,
309.936

■ 32, 112.634,
309.917

■ 35, 107.484,
310.338

■ 38, 99.350,
310.368

■ 43, 88.633,
310.038

■ 49, 76.375,
309.491

■ 55, 63.398,
308.841

■ 61, 50.233,
308.162

■ 67, 37.189,
307.503

■ 74, 24.427,

306.886

■ 80, 12.024,
306.323

Harmonies

Complementary

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



32, 112.732, 309.936



78, 93.755, 124.883

Rectangle

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



32, 112.732, 309.936



32, 112.732, 359.936



32, 112.732, 129.936



32, 112.732, 179.936

Sweetspot

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



32, 112.634, 309.917



78, 42.457, 307.521



53, 52.550, 272.923



38, 29.135, 307.797



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, 112.634, 309.917



38, 127.507, 309.819



48, 102.898, 324.316



42, 6.754, 306.291



24, 94.161, 310.091



3, 28.470, 305.031

Inverse Universe

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



47, 76.846, 354.054



56, 86.763, 354.388



76, 105.337, 135.611



42, 5.886, 339.735



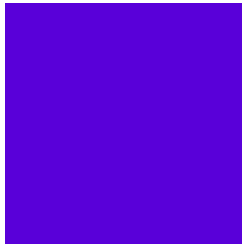
37, 64.547, 353.475



5, 24.653, 347.964

Previews

White Background



This preview shows how the CIELCh color 32, 112.732, 309.936 looks on a white background.

Color Contrast Check

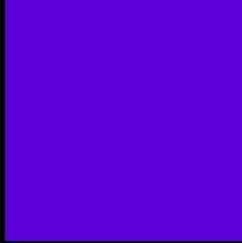
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.732, 309.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

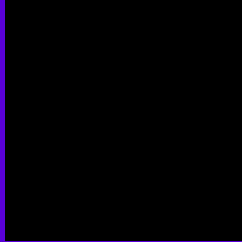
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 112.732, 309.936

Background



This preview shows how black text looks on a background with the CIELCh color 32, 112.732, 309.936.



This preview shows how white text looks on a background with the CIELCh color 32, 112.732, 309.936.

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

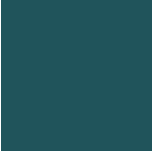
32, 112.732, 309.936

Protanopia

33, 51.300, 285.280

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 17.418, 212.077

Trichromacy



Original Color
32, 112.732, 309.936

Protanomaly
28, 81.319, 300.991

Deuteranomaly
28, 71.079, 299.121

Tritanomaly
27, 54.041, 299.463

Monochromacy



Original Color
32, 112.732, 309.936

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 52.301, 310.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 112.732, 309.936 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(89, 0, 217)` looks like.

```
.text, #text, p{  
  color:rgb(89, 0, 217)  
}
```

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(89, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 112.732, 309.936 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(89, 0, 217) }
```

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

```
.border{ border-color:rgb(89, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(89, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 0, 217)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 112.732, 309.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 217) }
```

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

```
.background{ background-color: rgb(89, 0,  
217) }
```

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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