

Converting Colors

CIELCh(32, 109.964, 303.276)

Have a look what the booklet for
CIELCh(32, 109.964, 303.276)
contains.

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Color

CIELCh(32, 110.063, 303.330)

Conversions

Conversions Part 1

Format	Color
Hex	0029E2
RGB	0, 41, 226
RGB Percent	0%, 16%, 89%
CMY	0.9984, 0.8391, 0.1135
CMYK	1.00, 0.82, 0.00, 0.11
HSL	229°, 100%, 44%
HSV	229°, 100%, 89%
XYZ	14.5337, 7.0852, 72.5916
YIQ	49.8310, -83.8210, 48.8430

Conversions

Conversions Part 2

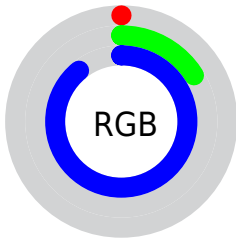
Format	Color
RYB	0, 35, 226
Decimal	10722
CIELab	32.00, 60.48, -91.96
CIELCh	32, 110.063, 303.330
Yxy	7.0852, 0.1543, 0.0752
Android (android.graphics.Color)	4278200802 (0xFF0029E2)
YUV	49.8310, 86.8513, -43.7018
Hunter-Lab	26.6180, 50.8813, -143.0610

Details

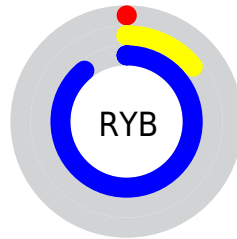
The CIELCh color **32, 110.063, 303.330** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **77, 78.629, 89.408**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 94.279, 302.982**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 110.227, 303.368**, and if you desaturate by 10%, it is **36, 99.945, 300.886**.

Distribution



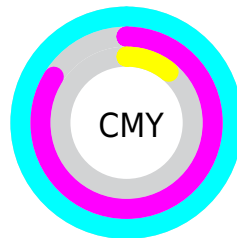
- Red (0%)
- Green (16%)
- Blue (89%)



- Red (0%)
- Yellow (14%)
- Blue (89%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (84%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 110.063, 303.330 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, 110.063, 303.330 by changing the saturation by 10% instead.


 32, 110.063,
303.330


 32, 110.063,
303.330


 100, 110.063,
303.330


 22, 110.063,
303.330


 52, 110.063,
303.330


 12, 110.063,
303.330


 62, 110.063,
303.330

 2, 110.063,
303.330

 72, 110.063,
303.330

 0, 110.063,
303.330

 82, 110.063,
303.330

 92, 110.063,
303.330

■ 32, 110.063,
303.330

■ 32, 110.063,
303.330

■ 32, 110.227,
303.368

■ 36, 99.945,
300.886

■ 40, 88.294,
298.037

■ 46, 76.154,
295.115

■ 52, 64.128,
292.339

■ 58, 52.457,
289.832

■ 64, 41.199,
287.636

■ 71, 30.339,
285.745

■ 77, 19.846,

284.128

■ 84, 9.686, 282.754

Harmonies

Complementary

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



32, 110.063, 303.330



77, 78.629, 89.408

Rectangle

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



32, 110.063, 303.330



32, 110.063, 353.330



32, 110.063, 123.330



32, 110.063, 173.330

Sweetspot

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



32, 110.065, 303.331



79, 33.676, 285.811



81, 55.706, 172.347



39, 23.138, 286.583



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, 110.065, 303.331



36, 121.365, 303.521



32, 118.304, 308.431



44, 5.565, 282.706



24, 90.195, 302.974



4, 27.722, 291.784

Inverse Universe

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



47, 86.471, 31.573



53, 95.185, 32.036



83, 93.867, 120.850



44, 4.854, 5.589



37, 71.148, 30.704



6, 25.283, 13.320

Previews

White Background



This preview shows how the CIE LCh color 32, 110.063, 303.330 looks on a white background.

Color Contrast Check

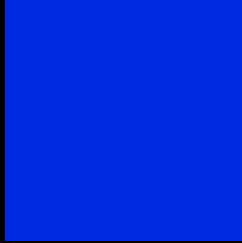
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.063, 303.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

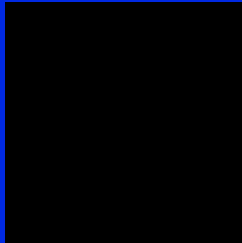
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 110.063, 303.330

Background



This preview shows how black text looks on a background with the CIELCh color 32, 110.063, 303.330.



This preview shows how white text looks on a background with the CIELCh color 32, 110.063, 303.330.

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, 110.063, 303.330

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 34.398, 270.025



Tritanopia
32, 21.905, 201.543

Trichromacy



Original Color
32, 110.063, 303.330

Protanomaly
31, 73.935, 296.094

Deuteranomaly
31, 62.619, 292.298

Tritanomaly
29, 45.327, 283.614

Monochromacy



Original Color
32, 110.063, 303.330

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 44.566, 294.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 110.063, 303.330 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(0, 41, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 41, 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(0, 41, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 41, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 110.063, 303.330 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(0, 41, 226) }
```

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

```
.border{ border-color:rgb(0, 41, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 41, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 41, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 41, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 41, 226)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 110.063, 303.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 41, 226) }
```

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

```
.background{ background-color: rgb(0, 41,  
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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