

Converting Colors

CIELCh(32, 109.763, 303.155)

Have a look what the booklet for
CIELCh(32, 109.763, 303.155)
contains.

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Color

CIELCh(32, 109.588, 303.202)

Conversions

Conversions Part 1

Format	Color
Hex	002AE2
RGB	0, 42, 226
RGB Percent	0%, 16%, 89%
CMY	1.0000, 0.8367, 0.1153
CMYK	1.00, 0.82, 0.00, 0.12
HSL	229°, 100%, 44%
HSV	229°, 100%, 88%
XYZ	14.4579, 7.0852, 72.2648
YIQ	50.4180, -84.0960, 48.3200

Conversions

Conversions Part 2

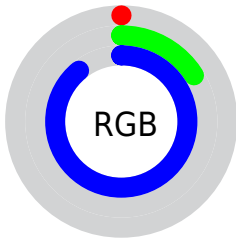
Format	Color
R _Y B	0, 35, 226
Decimal	10978
CIE Lab	32.00, 60.01, -91.70
CIE LCh	32, 109.588, 303.202
Yxy	7.0852, 0.1541, 0.0755
Android (android.graphics.Color)	4278201058 (0xFF002AE2)
YUV	50.4180, 86.5619, -44.2166
Hunter-Lab	26.6180, 50.3729, -142.3331

Details

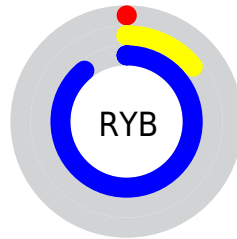
The CIELCh color **32, 109.588, 303.202** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **76, 78.363, 88.991**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 93.692, 302.809**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 109.560, 303.234**, and if you desaturate by 10%, it is **36, 99.441, 300.763**.

Distribution



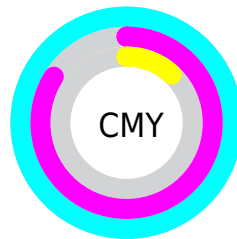
- Red (0%)
- Green (16%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (84%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 109.588, 303.202 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, 109.588, 303.202 by changing the saturation by 10% instead.


 32, 109.588,
303.202


 32, 109.588,
303.202


 100, 109.588,
303.202


 22, 109.588,
303.202


 52, 109.588,
303.202


 12, 109.588,
303.202


 62, 109.588,
303.202

 2, 109.588,
303.202

 72, 109.588,
303.202

 0, 109.588,
303.202

 82, 109.588,
303.202

 92, 109.588,
303.202

■ 32, 109.588,
303.202

■ 32, 109.588,
303.202

■ 32, 109.560,
303.234

■ 36, 99.441,
300.763

■ 40, 87.847,
297.891

■ 46, 75.789,
294.950

■ 52, 63.852,
292.158

■ 58, 52.270,
289.637

■ 64, 41.096,
287.428

■ 71, 30.314,
285.526

■ 77, 19.893,

283.900

■ 83, 9.800, 282.517

Harmonies

Complementary

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



32, 109.588, 303.202



76, 78.363, 88.991

Rectangle

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



32, 109.588, 303.202



32, 109.588, 353.202



32, 109.588, 123.202



32, 109.588, 173.202

Sweetspot

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



32, 109.560, 303.234



79, 33.493, 285.562



80, 56.860, 170.584



39, 23.010, 286.336



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, 109.560, 303.234



36, 120.838, 303.393



31, 118.553, 308.211



44, 5.536, 282.446



24, 89.778, 302.836



4, 27.625, 291.666

Inverse Universe

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



47, 86.175, 31.331



53, 94.891, 31.719



83, 93.283, 120.065



44, 4.861, 5.239



37, 70.934, 30.375



6, 25.282, 13.126

Previews

White Background



This preview shows how the CIELCh color 32, 109.588, 303.202 looks on a white background.

Color Contrast Check

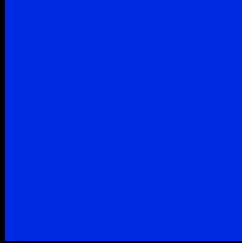
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.588, 303.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

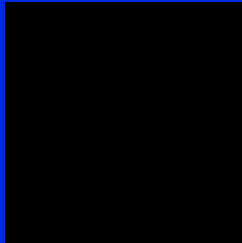
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 109.588, 303.202

Background



This preview shows how black text looks on a background with the CIELCh color 32, 109.588, 303.202.



This preview shows how white text looks on a background with the CIELCh color 32, 109.588, 303.202.

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, 109.588, 303.202

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 34.398, 270.025



Tritanopia
32, 21.794, 203.303

Trichromacy



Original Color
32, 109.588, 303.202

Protanomaly
31, 73.268, 295.770

Deuteranomaly
31, 62.619, 292.298

Tritanomaly
30, 44.685, 282.898

Monochromacy



Original Color
32, 109.588, 303.202

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, 109.588, 303.202 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, 42, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 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, 42, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 109.588, 303.202 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, 42, 226) }
```

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

```
.border{ border-color:rgb(0, 42, 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, 42, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 42, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 42, 226)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 109.588, 303.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 226) }
```

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

```
.background{ background-color: rgb(0, 42,  
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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