

Converting Colors

CIELCh(32, 90.220, 299.553)

Have a look what the booklet for
CIELCh(32, 90.220, 299.553)
contains.

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Color

CIELCh(32, 90.303, 299.702)

Conversions

Conversions Part 1

Format	Color
Hex	0038CB
RGB	0, 56, 203
RGB Percent	0%, 22%, 80%
CMY	1.0000, 0.7815, 0.2053
CMYK	1.00, 0.73, 0.00, 0.21
HSL	224°, 100%, 40%
HSV	224°, 100%, 79%
XYZ	12.1163, 7.0852, 57.0088
YIQ	56.0140, -80.5630, 33.8450

Conversions

Conversions Part 2

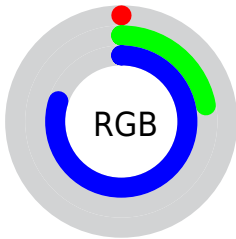
Format	Color
RYB	0, 44, 203
Decimal	14539
CIELab	32.00, 44.74, -78.44
CIElCh	32, 90.303, 299.702
Yxy	7.0852, 0.1590, 0.0930
Android (android.graphics.Color)	4278204619 (0xFF0038CB)
YUV	56.0140, 72.4641, -49.1243
Hunter-Lab	26.6180, 34.6706, -108.3512

Details

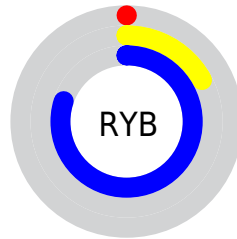
The CIELCh color **32, 90.303, 299.702** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65, 69.993, 80.959**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.277, 299.543**, and **18, 83.580, 304.610** is the 20% darker color. If you saturate the color by 10%, you get **32, 90.288, 299.739**, and if you desaturate by 10%, it is **36, 80.798, 296.603**.

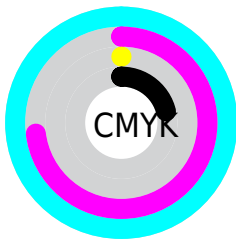
Distribution



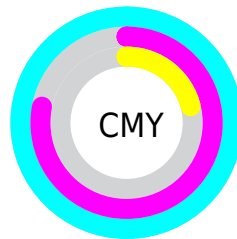
- Red (0%)
- Green (22%)
- Blue (80%)



- Red (0%)
- Yellow (17%)
- Blue (80%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (78%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 90.303, 299.702 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, 90.303, 299.702 by changing the saturation by 10% instead.


 32, 90.303,
299.702


 32, 90.303,
299.702

 100, 90.303,
299.702


 22, 90.303,
299.702

 52, 90.303,
299.702


 12, 90.303,
299.702


 62, 90.303,
299.702

 2, 90.303, 299.702

 72, 90.303,
299.702

 0, 90.303, 299.702

 82, 90.303,
299.702

 92, 90.303,
299.702

■ 32, 90.303,
299.702

■ 32, 90.303,
299.702

■ 32, 90.288,
299.739

■ 36, 80.798,
296.603

■ 40, 70.977,
293.254

■ 45, 61.228,
289.994

■ 50, 51.731,
286.986

■ 55, 42.524,
284.308

■ 60, 33.586,
281.978

■ 65, 24.889,
279.974

■ 71, 16.404,

278.261

■ 76, 8.115, 276.802

Harmonies

Complementary

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



32, 90.303, 299.702



65, 69.993, 80.959

Rectangle

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



32, 90.303, 299.702



32, 90.303, 349.702



32, 90.303, 119.702



32, 90.303, 169.702

Sweetspot

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



32, 90.288, 299.739



81, 30.006, 280.049



73, 58.300, 163.061



40, 20.576, 280.873



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, 90.288, 299.739



41, 108.784, 300.165



26, 110.683, 307.360



40, 4.625, 276.723



26, 76.655, 299.271



3, 19.146, 284.428

Inverse Universe

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



43, 74.878, 23.732



54, 89.522, 24.577



76, 84.012, 115.685



40, 4.658, 358.549



35, 64.132, 22.826



4, 18.452, 6.122

Previews

White Background



This preview shows how the CIE LCh color 32, 90.303, 299.702 looks on a white background.

Color Contrast Check

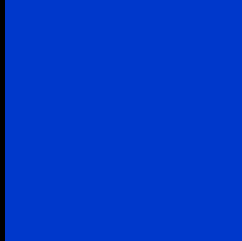
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.303, 299.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

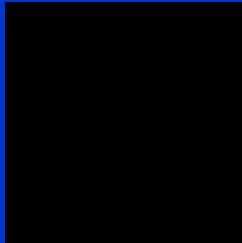
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 90.303, 299.702

Background



This preview shows how black text looks on a background with the CIELCh color 32, 90.303, 299.702.



This preview shows how white text looks on a background with the CIELCh color 32, 90.303, 299.702.

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, 90.303, 299.702

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 34.923, 270.721



Tritanopia
32, 21.794, 203.303

Trichromacy



Original Color
32, 90.303, 299.702

Protanomaly
32, 65.327, 292.748

Deuteranomaly
31, 54.575, 288.109

Tritanomaly
31, 37.098, 274.805

Monochromacy



Original Color
32, 90.303, 299.702

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 35.001, 288.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 90.303, 299.702 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, 56, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 56, 203)  
}
```

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, 56, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 56, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 90.303, 299.702 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, 56, 203) }
```

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

```
.border{ border-color:rgb(0, 56, 203) }
```

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

Here you see how a box with a 4 pixel rgb(0, 56, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 56, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 56, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 56, 203)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 90.303, 299.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 56, 203) }
```

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

```
.background{ background-color: rgb(0, 56,  
203) }
```

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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