

Converting Colors

CIELCh(31, 70.517, 294.841)

Have a look what the booklet for
CIELCh(31, 70.517, 294.841)
contains.

CIELCh(31, 70.322, 294.887)	3
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Color

CIELCh(31, 70.322, 294.887)

Conversions

Conversions Part 1

Format	Color
Hex	003FAF
RGB	0, 63, 175
RGB Percent	0%, 25%, 69%
CMY	0.9997, 0.7529, 0.3137
CMYK	1.00, 0.64, 0.00, 0.31
HSL	218°, 100%, 34%
HSV	218°, 100%, 69%
XYZ	9.5170, 6.6515, 41.3440
YIQ	56.9310, -73.5000, 21.4760

Conversions

Conversions Part 2

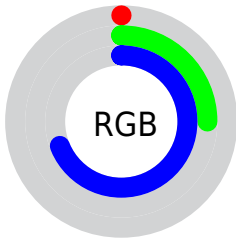
Format	Color
RYB	0, 46, 175
Decimal	16303
CIELab	31.00, 29.59, -63.79
CIELCh	31, 70.322, 294.887
Yxy	6.6515, 0.1655, 0.1157
Android (android.graphics.Color)	4278206383 (0xFF003FAF)
YUV	56.9310, 58.2080, -49.9285
Hunter-Lab	25.7905, 20.7355, -76.9928

Details

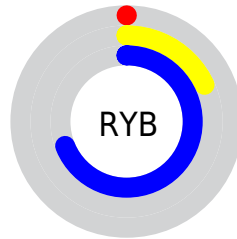
The CIELCh color **31, 70.322, 294.887** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **53, 62.197, 73.293**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 70.615, 294.899**, and **15, 65.994, 301.786** is the 20% darker color. If you saturate the color by 10%, you get **31, 70.353, 294.902**, and if you desaturate by 10%, it is **34, 62.677, 291.268**.

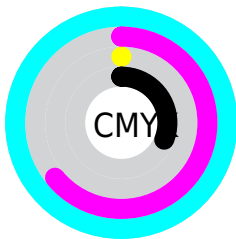
Distribution



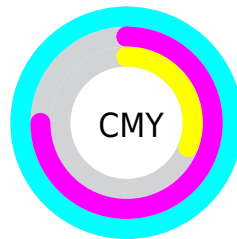
- Red (0%)
- Green (25%)
- Blue (69%)



- Red (0%)
- Yellow (18%)
- Blue (69%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (75%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 70.322, 294.887 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 31, 70.322, 294.887 by changing the saturation by 10% instead.


 31, 70.322,
294.887


 31, 70.322,
294.887

 100, 70.322,
294.887


 21, 70.322,
294.887

 51, 70.322,
294.887


 11, 70.322,
294.887


 61, 70.322,
294.887

 1, 70.322, 294.887

 71, 70.322,
294.887

 0, 70.322, 294.887

 81, 70.322,
294.887

 91, 70.322,
294.887

■ 31, 70.322,
294.887

■ 31, 70.322,
294.887

■ 31, 70.353,
294.902

■ 34, 62.677,
291.268

■ 38, 55.131,
287.553

■ 42, 47.766,
284.045

■ 46, 40.590,
280.866

■ 50, 33.572,
278.067

■ 54, 26.676,
275.645

■ 58, 19.878,
273.568

■ 63, 13.165,

271.795

■ 67, 6.533, 270.291

Harmonies

Complementary

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



31, 70.322, 294.887



53, 62.197, 73.293

Rectangle

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



31, 70.322, 294.887



31, 70.322, 344.887



31, 70.322, 114.887



31, 70.322, 164.887

Sweetspot

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



31, 70.323, 294.889



74, 24.597, 273.675



63, 57.714, 157.061



37, 16.959, 274.501



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 70.323, 294.889



40, 87.012, 295.569



21, 100.046, 306.804



34, 3.684, 270.201



26, 62.134, 294.424



2, 8.309, 274.186

Inverse Universe

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



37, 64.514, 15.287



48, 78.631, 16.355



68, 73.957, 110.896



34, 4.254, 352.748



31, 57.601, 14.576



2, 8.524, 356.412

Previews

White Background



This preview shows how the CIELCh color 31, 70.322, 294.887 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 31, 70.322, 294.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

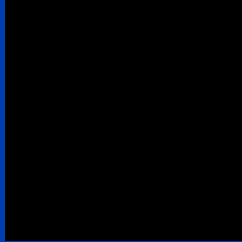
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 70.322, 294.887

Background



This preview shows how black text looks on a background with the CIELCh color 31, 70.322, 294.887.



This preview shows how white text looks on a background with the CIELCh color 31, 70.322, 294.887.

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

31, 70.322, 294.887

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 34.914, 271.891



Tritanopia
31, 21.155, 205.362

Trichromacy



Original Color
31, 70.322, 294.887

Protanomaly
31, 57.083, 289.643

Deuteranomaly
31, 46.904, 283.775

Tritanomaly
30, 30.724, 266.216

Monochromacy



Original Color
31, 70.322, 294.887

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 27.420, 281.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 70.322, 294.887 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, 63, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 175)  
}
```

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, 63, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 70.322, 294.887 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, 63, 175) }
```

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

```
.border{ border-color:rgb(0, 63, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 63, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 63, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 63, 175)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 70.322, 294.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 175) }
```

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

```
.background{ background-color: rgb(0, 63,  
175) }
```

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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