

Converting Colors

CIELCh(31, 79.827, 297.772)

Have a look what the booklet for
CIELCh(31, 79.827, 297.772)
contains.

CIELCh(31, 80.362, 297.926)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(31, 80.362, 297.926)

Conversions

Conversions Part 1	
Format	Color
Hex	033ABB
RGB	3, 58, 187
RGB Percent	1%, 23%, 73%
CMY	0.9892, 0.7720, 0.2660
CMYK	0.99, 0.69, 0.00, 0.27
HSL	222°, 97%, 37%
HSV	222°, 99%, 73%
XYZ	10.5407, 6.6515, 47.8334
YIQ	56.2610, -74.1890, 28.4590

Conversions

Conversions Part 2

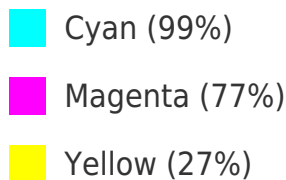
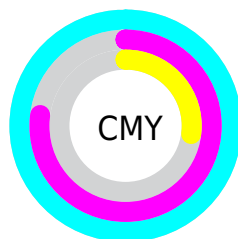
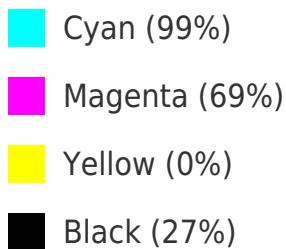
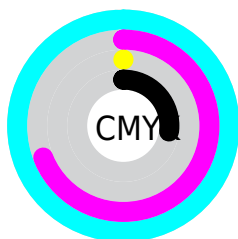
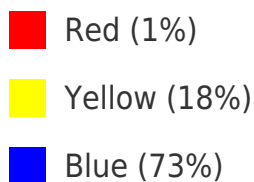
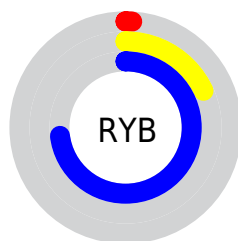
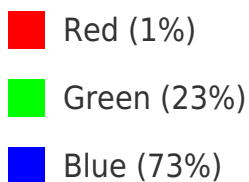
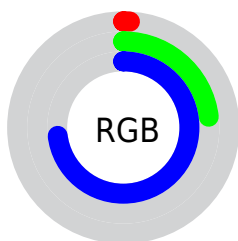
Format	Color
RYB	3, 45, 187
Decimal	211643
CIELab	31.00, 37.64, -71.00
CIELCh	31, 80.362, 297.926
Yxy	6.6515, 0.1621, 0.1023
Android (android.graphics.Color)	4278401723 (0xFF033ABB)
YUV	56.2610, 64.4543, -46.7099
Hunter-Lab	25.7905, 27.8201, -91.9113

Details

The CIELCh color **31, 80.362, 297.926** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **59, 65.264, 79.041**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 80.217, 297.896**, and **16, 74.697, 303.622** is the 20% darker color. If you saturate the color by 10%, you get **31, 81.632, 298.372**, and if you desaturate by 10%, it is **35, 71.580, 294.579**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 80.362, 297.926 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, 80.362, 297.926 by changing the saturation by 10% instead.


 31, 80.362,
297.926


 31, 80.362,
297.926

 100, 80.362,
297.926


 21, 80.362,
297.926

 51, 80.362,
297.926


 11, 80.362,
297.926


 61, 80.362,
297.926

 1, 80.362, 297.926

 71, 80.362,
297.926

 0, 80.362, 297.926

 81, 80.362,
297.926

 91, 80.362,
297.926

■ 31, 80.362,
297.926

■ 31, 80.362,
297.926

■ 31, 81.632,
298.372

■ 35, 71.580,
294.579

■ 39, 62.712,
291.130

■ 43, 54.002,
287.837

■ 48, 45.534,
284.836

■ 52, 37.309,
282.184

■ 57, 29.297,
279.884

■ 62, 21.470,
277.909

■ 67, 13.808,

276.220

■ 72, 6.298, 274.786

Harmonies

Complementary

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



31, 80.362, 297.926



59, 65.264, 79.041

Rectangle

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



31, 80.362, 297.926



31, 80.362, 347.926



31, 80.362, 117.926



31, 80.362, 167.926

Sweetspot

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



31, 80.363, 297.927



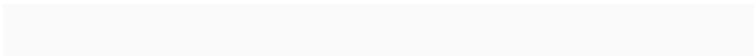
77, 27.898, 278.271



67, 56.765, 160.840



39, 19.272, 279.095



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



31, 80.363, 297.927



40, 100.706, 298.918



24, 103.903, 307.055



37, 4.216, 274.896



25, 71.109, 297.927



3, 13.826, 280.273

Inverse Universe

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



39, 68.946, 20.391



51, 84.832, 22.156



71, 78.183, 113.706



37, 4.420, 356.761



33, 61.101, 20.340



3, 12.847, 2.643

Previews

White Background



This preview shows how the CIE LCh color 31, 80.362, 297.926 looks on a white background.

Color Contrast Check

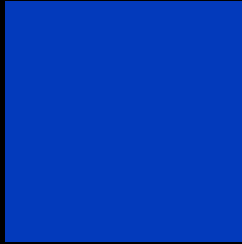
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.362, 297.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

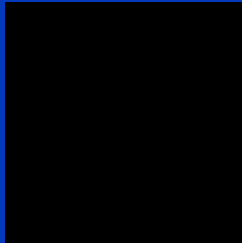
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 80.362, 297.926

Background



This preview shows how black text looks on a background with the CIELCh color 31, 80.362, 297.926.



This preview shows how white text looks on a background with the CIELCh color 31, 80.362, 297.926.

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, 80.353, 297.953

Tritanopia

31, 21.155, 205.362

Trichromacy



Original Color
31, 80.353, 297.953



Tritanomally
30, 33.813, 271.431

Monochromacy



Original Color
31, 80.353, 297.953



Achromatopsia
24, 0.004, 296.813



Achromatomaly
25, 31.160, 285.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 80.362, 297.926 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(3, 58, 187)` looks like.

```
.text, #text, p{  
    color:rgb(3, 58, 187)  
}
```

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(3, 58, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 58, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 80.362, 297.926 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(3, 58, 187) }
```

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

```
.border{ border-color:rgb(3, 58, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 58, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 58, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 58, 187);  
box-shadow:4px 4px 4px 4px rgb(3, 58, 187)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 80.362, 297.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 58, 187) }
```

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

```
.background{ background-color: rgb(3, 58,  
187) }
```

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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