

Converting Colors

CIELCh(31, 75.467, 296.521)

Have a look what the booklet for
CIELCh(31, 75.467, 296.521)
contains.

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Color

CIELCh(31, 75.056, 296.370)

Conversions

Conversions Part 1

Format	Color
Hex	003DB5
RGB	0, 61, 181
RGB Percent	0%, 24%, 71%
CMY	0.9990, 0.7614, 0.2909
CMYK	1.00, 0.66, 0.00, 0.29
HSL	220°, 100%, 36%
HSV	220°, 100%, 71%
XYZ	9.9849, 6.6515, 44.3733
YIQ	56.4410, -74.8760, 24.3880

Conversions

Conversions Part 2

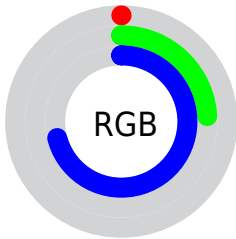
Format	Color
RYB	0, 46, 181
Decimal	15797
CIELab	31.00, 33.34, -67.25
CIELCh	31, 75.056, 296.370
Yxy	6.6515, 0.1637, 0.1090
Android (android.graphics.Color)	4278205877 (0xFF003DB5)
YUV	56.4410, 61.4076, -49.4988
Hunter-Lab	25.7905, 23.9734, -83.9569

Details

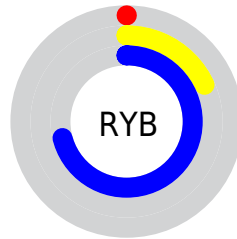
The CIELCh color **31, 75.056, 296.370** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **55, 63.711, 75.510**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 75.112, 296.434**, and **16, 70.460, 302.718** is the 20% darker color. If you saturate the color by 10%, you get **31, 75.171, 296.416**, and if you desaturate by 10%, it is **34, 66.904, 292.875**.

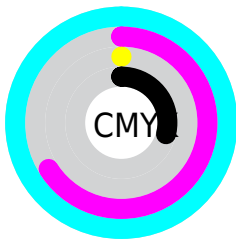
Distribution



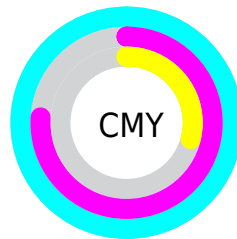
- Red (0%)
- Green (24%)
- Blue (71%)



- Red (0%)
- Yellow (18%)
- Blue (71%)



- Cyan (100%)
- Magenta (66%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (76%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 75.056, 296.370 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, 75.056, 296.370 by changing the saturation by 10% instead.


 31, 75.056,
296.370


 31, 75.056,
296.370

 100, 75.056,
296.370


 21, 75.056,
296.370

 51, 75.056,
296.370


 11, 75.056,
296.370


 61, 75.056,
296.370

 1, 75.056, 296.370

 71, 75.056,
296.370

 0, 75.056, 296.370

 81, 75.056,
296.370

 91, 75.056,
296.370

■ 31, 75.056,
296.370

■ 31, 75.056,
296.370

■ 31, 75.171,
296.416

■ 34, 66.904,
292.875

■ 38, 58.781,
289.263

■ 42, 50.835,
285.828

■ 47, 43.103,
282.703

■ 51, 35.566,
279.944

■ 55, 28.191,
277.551

■ 60, 20.951,
275.498

■ 65, 13.829,

273.744

■ 69, 6.817, 272.254

Harmonies

Complementary

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



31, 75.056, 296.370



55, 63.711, 75.510

Rectangle

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



31, 75.056, 296.370



31, 75.056, 346.370



31, 75.056, 116.370



31, 75.056, 166.370

Sweetspot

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



31, 75.057, 296.372



76, 26.025, 275.621



65, 57.978, 158.176



38, 17.799, 276.442



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



31, 75.057, 296.372



40, 92.978, 297.032



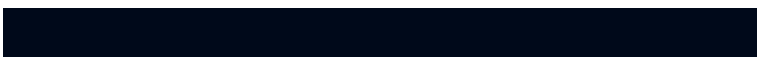
22, 102.300, 306.888



35, 3.873, 272.180



26, 65.545, 295.925



2, 10.115, 276.616

Inverse Universe

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



38, 66.636, 17.667



50, 81.398, 18.776



69, 75.977, 111.874



35, 4.300, 354.347



32, 58.768, 16.930



2, 9.828, 358.849

Previews

White Background



This preview shows how the CIE LCh color 31, 75.056, 296.370 looks on a white background.

Color Contrast Check

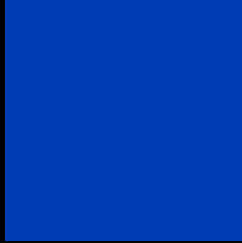
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.056, 296.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

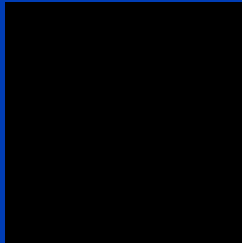
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 75.056, 296.370

Background



This preview shows how black text looks on a background with the CIELCh color 31, 75.056, 296.370.



This preview shows how white text looks on a background with the CIELCh color 31, 75.056, 296.370.

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, 75.064, 296.339

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 34.914, 271.891



Tritanopia
31, 21.155, 205.362

Trichromacy



Original Color
31, 75.064, 296.339

Protanomaly
31, 59.513, 290.802

Deuteranomaly
31, 49.304, 285.461

Tritanomaly
30, 31.745, 267.879

Monochromacy



Original Color
31, 75.064, 296.339

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 28.673, 282.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 75.056, 296.370 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, 61, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 61, 181)  
}
```

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, 61, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 61, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 75.056, 296.370 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, 61, 181) }
```

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

```
.border{ border-color:rgb(0, 61, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 61, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 61, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 61, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 61, 181)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 75.056, 296.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 61, 181) }
```

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

```
.background{ background-color: rgb(0, 61,  
181) }
```

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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