

Converting Colors

CIELCh(31, 64.606, 292.838)

Have a look what the booklet for
CIELCh(31, 64.606, 292.838)
contains.

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Color

CIELCh(31, 64.942, 293.026)

Conversions

Conversions Part 1

Format	Color
Hex	0141A8
RGB	1, 65, 168
RGB Percent	0%, 25%, 66%
CMY	0.9958, 0.7442, 0.3401
CMYK	0.99, 0.61, 0.00, 0.34
HSL	217°, 99%, 33%
HSV	217°, 99%, 66%
XYZ	9.0108, 6.6515, 37.9927
YIQ	57.6060, -71.2070, 18.4650

Conversions

Conversions Part 2

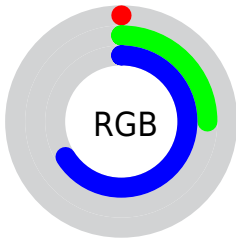
Format	Color
R _Y B	1, 47, 168
Decimal	82344
CIE Lab	31.00, 25.40, -59.77
CIE LCh	31, 64.942, 293.026
Yxy	6.6515, 0.1679, 0.1240
Android (android.graphics.Color)	4278272424 (0xFF0141A8)
YUV	57.6060, 54.4242, -49.6435
Hunter-Lab	25.7905, 17.2320, -69.2884

Details

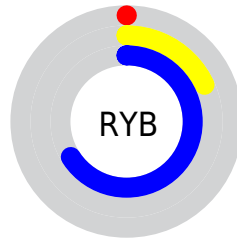
The CIELCh color **31, 64.942, 293.026** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **50, 60.283, 71.298**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 64.973, 293.104**, and **15, 61.965, 300.959** is the 20% darker color. If you saturate the color by 10%, you get **31, 65.400, 293.249**, and if you desaturate by 10%, it is **34, 57.863, 289.264**.

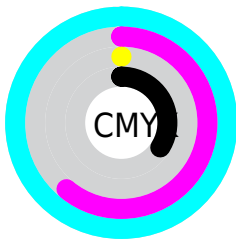
Distribution



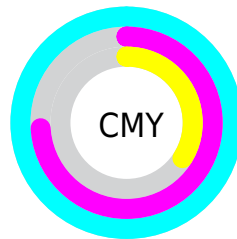
- Red (0%)
- Green (25%)
- Blue (66%)



- Red (0%)
- Yellow (18%)
- Blue (66%)



- Cyan (99%)
- Magenta (61%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (74%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 64.942, 293.026 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, 64.942, 293.026 by changing the saturation by 10% instead.


 31, 64.942,
293.026


 31, 64.942,
293.026

 100, 64.942,
293.026

 21, 64.942,
293.026

 51, 64.942,
293.026


 11, 64.942,
293.026


 61, 64.942,
293.026

 1, 64.942, 293.026

 71, 64.942,
293.026

 0, 64.942, 293.026

 81, 64.942,
293.026

 91, 64.942,
293.026

■ 31, 64.942,
293.026

■ 31, 64.942,
293.026

■ 31, 65.400,
293.249

■ 34, 57.863,
289.264

■ 38, 50.929,
285.465

■ 41, 44.170,
281.910

■ 45, 37.567,
278.711

■ 49, 31.079,
275.905

■ 53, 24.672,
273.484

■ 57, 18.327,
271.412

■ 61, 12.035,

269.646

■ 65, 5.796, 268.152

Harmonies

Complementary

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



31, 64.942, 293.026



50, 60.283, 71.298

Rectangle

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



31, 64.942, 293.026



31, 64.942, 343.026



31, 64.942, 113.026



31, 64.942, 163.026

Sweetspot

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



31, 64.942, 293.028



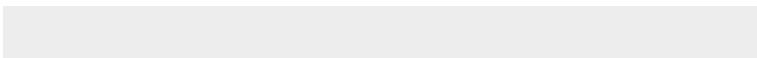
72, 23.241, 271.641



61, 58.034, 155.081



36, 15.858, 272.452



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



31, 64.942, 293.028



40, 81.232, 293.986



20, 97.111, 306.589



33, 3.505, 268.142



27, 58.812, 292.811



2, 6.733, 271.377

Inverse Universe

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



36, 62.102, 12.545



47, 76.057, 13.918



66, 71.344, 108.906



33, 4.208, 351.210



31, 56.561, 12.220



2, 7.329, 353.897

Previews

White Background



This preview shows how the CIELCh color 31, 64.942, 293.026 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, 64.942, 293.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

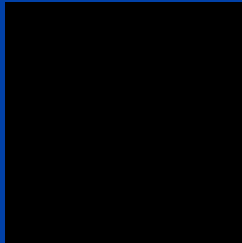
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 64.942, 293.026

Background



This preview shows how black text looks on a background with the CIELCh color 31, 64.942, 293.026.



This preview shows how white text looks on a background with the CIELCh color 31, 64.942, 293.026.

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, 64.935, 293.067

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 35.452, 272.554



Tritanopia
31, 21.155, 205.362

Trichromacy



Original Color
31, 64.935, 293.067

Protanomaly
31, 55.241, 288.639

Deuteranomaly
31, 46.322, 283.407

Tritanomaly
30, 29.275, 263.073

Monochromacy



Original Color
31, 64.935, 293.067

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 24.925, 277.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 64.942, 293.026 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(1, 65, 168)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 168)  
}
```

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(1, 65, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 64.942, 293.026 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(1, 65, 168) }
```

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

```
.border{ border-color:rgb(1, 65, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 65, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 65, 168);  
box-shadow:4px 4px 4px 4px rgb(1, 65, 168)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 64.942, 293.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 65, 168) }
```

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

```
.background{ background-color: rgb(1, 65,  
168) }
```

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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