

Converting Colors

CIELCh(31, 66.789, 84.619)

Have a look what the booklet for
CIELCh(31, 66.789, 84.619) contains.

CIELCh(31, 41.181, 79.891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 41.181, 79.891)

Conversions

Conversions Part 1

Format	Color
Hex	624400
RGB	98, 68, 0
RGB Percent	38%, 27%, 0%
CMY	0.6176, 0.7350, 1.0000
CMYK	0.00, 0.31, 1.00, 0.62
HSL	42°, 100%, 19%
HSV	42°, 100%, 38%
XYZ	7.0232, 6.6515, 0.9023
YIQ	69.2180, 39.7080, -14.7880

Conversions

Conversions Part 2

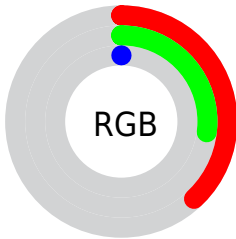
Format	Color
RYB	43, 98, 0
Decimal	6439936
CIELab	31.00, 7.23, 40.54
CIELCh	31, 41.181, 79.891
Yxy	6.6515, 0.4818, 0.4563
Android (android.graphics.Color)	4284630016 (0xFF624400)
YUV	69.2180, -34.1245, 25.2418
Hunter-Lab	25.7905, 3.4751, 15.9789

Details

The CIELCh color **31, 41.181, 79.891** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **14, 47.225, 295.756**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 41.202, 79.738**, and **11, 18.490, 64.860** is the 20% darker color. If you saturate the color by 10%, you get **31, 41.026, 79.837**, and if you desaturate by 10%, it is **32, 37.828, 81.341**.

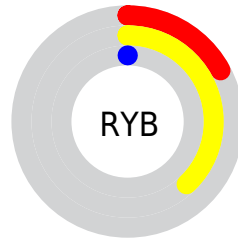
Distribution



Red (38%)

Green (27%)

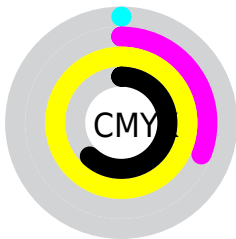
Blue (0%)



Red (17%)

Yellow (38%)

Blue (0%)

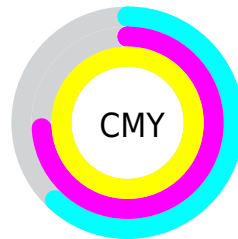


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (62%)



Cyan (62%)

Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 41.181, 79.891 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, 41.181, 79.891 by changing the saturation by 10% instead.

31, 41.181, 79.891

31, 41.181, 79.891

100, 41.181,
79.891

21, 41.181, 79.891

51, 41.181, 79.891

11, 41.181, 79.891

61, 41.181, 79.891

1, 41.181, 79.891

71, 41.181, 79.891

0, 41.181, 79.891

81, 41.181, 79.891

91, 41.181, 79.891

31, 41.181, 79.891

31, 41.181, 79.891

31, 41.026, 79.837

32, 37.828, 81.341

■ 33, 34.638, 82.966

■ 34, 30.760, 84.429

■ 35, 26.500, 85.801

■ 36, 22.064, 87.118

■ 37, 17.571, 88.396

■ 38, 13.090, 89.640

■ 39, 8.657, 90.848

■ 40, 4.290, 92.010

Harmonies

Complementary

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



31, 41.181, 79.891



14, 47.225, 295.756

Rectangle

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



31, 41.181, 79.891



31, 41.181, 129.891



31, 41.181, 259.891



31, 41.181, 309.891

Sweetspot

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



31, 41.026, 79.837



49, 16.332, 89.528



19, 42.373, 15.786



24, 11.068, 89.177



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



31, 41.026, 79.837



41, 49.573, 79.017



38, 48.867, 113.172



19, 2.391, 92.137



36, 45.269, 79.388



73, 78.912, 77.658

Inverse Universe

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



14, 47.225, 295.756



20, 58.988, 296.884



9, 64.889, 307.549



18, 2.398, 274.267



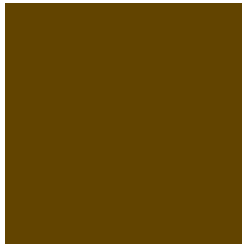
17, 53.070, 296.386



40, 98.874, 298.573

Previews

White Background



This preview shows how the CIELCh color 31, 41.181, 79.891 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 31, 41.181, 79.891 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, 41.181, 79.891

Background



This preview shows how black text looks on a background with the CIELCh color 31, 41.181, 79.891.



This preview shows how white text looks on a background with the CIELCh color 31, 41.181, 79.891.

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, 41.181, 79.891

Protanopia

31, 37.678, 96.022

Deuteranopia

31, 40.358, 85.114



Tritanopia
31, 17.319, 12.225

Trichromacy



Original Color
31, 41.181, 79.891

Protanomaly
31, 38.384, 90.344

Deuteranomaly
31, 40.614, 82.812

Tritanomaly
31, 22.794, 58.083

Monochromacy



Original Color
31, 41.181, 79.891

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 16.282, 87.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 41.181, 79.891 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(98, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 68, 0)  
}
```

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(98, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 68, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 41.181, 79.891 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(98, 68, 0) }
```

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

```
.border{ border-color:rgb(98, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(98, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 68, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 68, 0); box-shadow:4px  
4px 4px 4px rgb(98, 68, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 41.181, 79.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 68, 0) }
```

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

```
.background{ background-color: rgb(98, 68,  
0) }
```

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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