

Converting Colors

CIELCh(31, 45.735, 104.533)

Have a look what the booklet for
CIELCh(31, 45.735, 104.533)
contains.

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Color

CIELCh(31, 40.797, 105.771)

Conversions

Conversions Part 1

Format	Color
Hex	494D00
RGB	73, 77, 0
RGB Percent	29%, 30%, 0%
CMY	0.7154, 0.6996, 1.0000
CMYK	0.05, 0.00, 1.00, 0.70
HSL	63°, 100%, 15%
HSV	63°, 100%, 30%
XYZ	5.3397, 6.6515, 0.9921
YIQ	67.0260, 22.3330, -24.7950

Conversions

Conversions Part 2

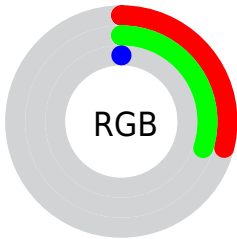
Format	Color
RYB	0, 77, 4
Decimal	4803840
CIELab	31.00, -11.09, 39.26
CIELCh	31, 40.797, 105.771
Yxy	6.6515, 0.4113, 0.5123
Android (android.graphics.Color)	4282993920 (0xFF494D00)
YUV	67.0260, -33.0438, 5.2392
Hunter-Lab	25.7905, -8.1762, 15.7726

Details

The CIELCh color **31, 40.797, 105.771** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5, 53.805, 305.494**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 40.818, 106.220**, and **11, 19.248, 120.925** is the 20% darker color. If you saturate the color by 10%, you get **31, 40.657, 105.806**, and if you desaturate by 10%, it is **31, 37.854, 106.170**.

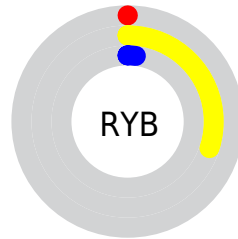
Distribution



Red (29%)

Green (30%)

Blue (0%)



Red (0%)

Yellow (30%)

Blue (2%)

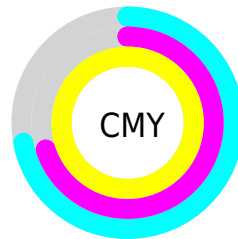


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (70%)



Cyan (72%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 40.797, 105.771 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, 40.797, 105.771 by changing the saturation by 10% instead.


 31, 40.797,
105.771


 31, 40.797,
105.771

 100, 40.797,
105.771


 21, 40.797,
105.771

 51, 40.797,
105.771


 11, 40.797,
105.771


 61, 40.797,
105.771

 1, 40.797, 105.771

 71, 40.797,
105.771

 0, 40.797, 105.771

 81, 40.797,
105.771

 91, 40.797,
105.771

■ 31, 40.797,
105.771

■ 31, 40.797,
105.771

■ 31, 40.657,
105.806

■ 31, 37.854,
106.170

■ 31, 35.117,
106.510

■ 31, 31.727,
107.000

■ 31, 27.815,
107.614

■ 32, 23.545,
108.314

■ 32, 19.038,
109.069

■ 32, 14.380,
109.856

■ 32, 9.629, 110.657

Harmonies

Complementary

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



31, 40.797, 105.771



5, 53.805, 305.494

Rectangle

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



31, 40.797, 105.771



31, 40.797, 155.771



31, 40.797, 285.771



31, 40.797, 335.771

Sweetspot

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



31, 40.657, 105.806



41, 17.836, 109.768



13, 38.377, 33.262



21, 12.252, 109.586



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 40.657, 105.806



40, 48.674, 105.914



28, 45.674, 128.063



15, 2.690, 111.561



41, 49.547, 105.923



88, 89.687, 106.143

Inverse Universe

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



5, 53.805, 305.494



9, 66.732, 306.608



9, 51.252, 314.157



14, 2.741, 292.975



9, 67.939, 306.599



29, 123.326, 306.407

Previews

White Background



This preview shows how the CIELCh color 31, 40.797, 105.771 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, 40.797, 105.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

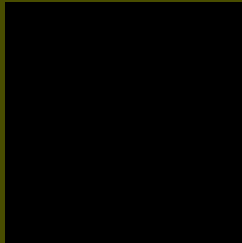
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 40.797, 105.771

Background



This preview shows how black text looks on a background with the CIELCh color 31, 40.797, 105.771.



This preview shows how white text looks on a background with the CIELCh color 31, 40.797, 105.771.

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

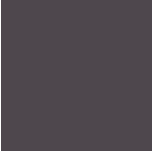
31, 40.797, 105.771

Protanopia

31, 39.669, 95.169

Deuteranopia

31, 35.573, 83.603



Tritanopia
31, 4.906, 329.061

Trichromacy



Original Color
31, 40.797, 105.771

Protanomaly
31, 39.735, 99.045

Deuteranomaly
31, 36.552, 92.549

Tritanomaly
31, 15.171, 101.822

Monochromacy



Original Color
31, 40.797, 105.771

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 17.051, 108.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 40.797, 105.771 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(73, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 77, 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(73, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 77, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 40.797, 105.771 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(73, 77, 0) }
```

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

```
.border{ border-color:rgb(73, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 77, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 77, 0); box-shadow:4px  
4px 4px 4px rgb(73, 77, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 40.797, 105.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 77, 0) }
```

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

```
.background{ background-color: rgb(73, 77,  
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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