

Converting Colors

CIELCh(31, 66.271, 101.875)

Have a look what the booklet for
CIELCh(31, 66.271, 101.875)
contains.

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Color

CIELCh(31, 40.834, 106.493)

Conversions

Conversions Part 1

Format	Color
Hex	484D00
RGB	72, 77, 0
RGB Percent	28%, 30%, 0%
CMY	0.7184, 0.6988, 1.0000
CMYK	0.07, 0.00, 1.00, 0.70
HSL	64°, 100%, 15%
HSV	64°, 100%, 30%
XYZ	5.2977, 6.6515, 0.9998
YIQ	66.7270, 21.7370, -25.0070

Conversions

Conversions Part 2

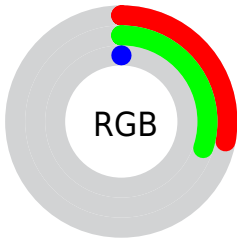
Format	Color
RYB	0, 77, 5
Decimal	4738304
CIELab	31.00, -11.59, 39.15
CIELCh	31, 40.834, 106.493
Yxy	6.6515, 0.4091, 0.5137
Android (android.graphics.Color)	4282928384 (0xFF484D00)
YUV	66.7270, -32.8964, 4.6244
Hunter-Lab	25.7905, -8.4675, 15.7549

Details

The CIELCh color **31, 40.834, 106.493** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5, 53.936, 305.678**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 40.831, 106.870**, and **11, 19.421, 122.517** is the 20% darker color. If you saturate the color by 10%, you get **31, 40.769, 106.511**, and if you desaturate by 10%, it is **31, 37.960, 106.848**.

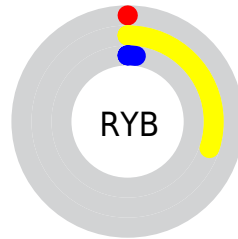
Distribution



Red (28%)

Green (30%)

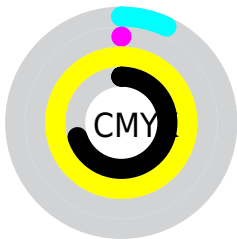
Blue (0%)



Red (0%)

Yellow (30%)

Blue (2%)

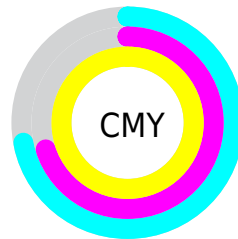


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (70%)



Cyan (72%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 40.834, 106.493 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, 40.834, 106.493 by changing the saturation by 10% instead.


 31, 40.834,
106.493

 31, 40.834,
106.493

 100, 40.834,
106.493

 21, 40.834,
106.493

 51, 40.834,
106.493


 11, 40.834,
106.493

 61, 40.834,
106.493

 1, 40.834, 106.493

 71, 40.834,
106.493

 0, 40.834, 106.493

 81, 40.834,
106.493

 91, 40.834,
106.493

■ 31, 40.834,
106.493

■ 31, 40.834,
106.493

■ 31, 40.769,
106.511

■ 31, 37.960,
106.848

■ 31, 35.216,
107.155

■ 31, 31.815,
107.620

■ 31, 27.893,
108.213

■ 32, 23.611,
108.895

■ 32, 19.091,
109.633

■ 32, 14.420,
110.404

■ 32, 9.656, 111.188

Harmonies

Complementary

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



31, 40.834, 106.493



5, 53.936, 305.678

Rectangle

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



31, 40.834, 106.493



31, 40.834, 156.493



31, 40.834, 286.493



31, 40.834, 336.493

Sweetspot

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



31, 40.769, 106.511



41, 17.845, 110.319



14, 38.475, 33.310



21, 12.258, 110.140



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, 40.769, 106.511



40, 48.720, 106.643



28, 45.765, 128.067



15, 2.691, 112.074



41, 49.594, 106.655



87, 89.784, 106.925

Inverse Universe

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



5, 53.936, 305.678



9, 66.651, 306.685



9, 51.349, 314.153



14, 2.742, 293.456



9, 67.858, 306.674



29, 123.257, 306.441

Previews

White Background



This preview shows how the CIELCh color 31, 40.834, 106.493 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, 40.834, 106.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

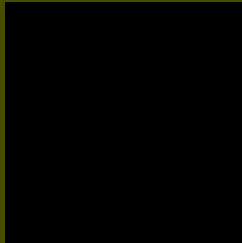
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 40.834, 106.493

Background



This preview shows how black text looks on a background with the CIELCh color 31, 40.834, 106.493.



This preview shows how white text looks on a background with the CIELCh color 31, 40.834, 106.493.

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, 40.834, 106.493

Protanopia

31, 39.669, 95.169

Deuteranopia

31, 35.573, 83.603



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color
31, 40.834, 106.493

Protanomaly
31, 39.735, 99.045

Deuteranomaly
31, 36.552, 92.549

Tritanomaly
31, 15.131, 103.660

Monochromacy



Original Color
31, 40.834, 106.493

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 17.650, 109.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 40.834, 106.493 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(72, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 77, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 40.834, 106.493 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(72, 77, 0) }
```

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

```
.border{ border-color:rgb(72, 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(72, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 77, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 77, 0); box-shadow:4px  
4px 4px 4px rgb(72, 77, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 40.834, 106.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 77, 0) }
```

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

```
.background{ background-color: rgb(72, 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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