

Converting Colors

CIELCh(31, 42.084, 119.331)

Have a look what the booklet for
CIELCh(31, 42.084, 119.331)
contains.

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Color

CIELCh(31, 41.871, 118.930)

Conversions

Conversions Part 1

Format	Color
Hex	395005
RGB	57, 80, 5
RGB Percent	22%, 31%, 2%
CMY	0.7757, 0.6855, 0.9796
CMYK	0.29, 0.00, 0.94, 0.69
HSL	78°, 88%, 17%
HSV	78°, 94%, 31%
XYZ	4.6091, 6.6515, 1.1904
YIQ	64.5730, 10.3670, -28.2010

Conversions

Conversions Part 2

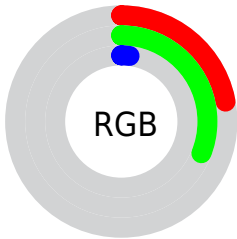
Format	Color
R_{YB}	5, 80, 28
Decimal	3756037
CIE Lab	31.00, -20.25, 36.65
CIE LCh	31, 41.871, 118.930
Yxy	6.6515, 0.3702, 0.5342
Android (android.graphics.Color)	4281946117 (0xFF395005)
YUV	64.5730, -29.3695, -6.6415
Hunter-Lab	25.7905, -13.2333, 15.3168

Details

The CIELCh color **31, 41.871, 118.930** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **9, 51.719, 308.568**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 41.566, 118.859**, and **11, 24.587, 139.796** is the 20% darker color. If you saturate the color by 10%, you get **31, 43.901, 118.940**, and if you desaturate by 10%, it is **31, 38.939, 118.739**.

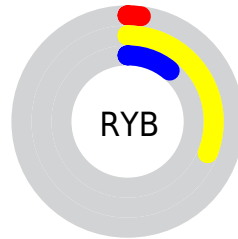
Distribution



Red (22%)

Green (31%)

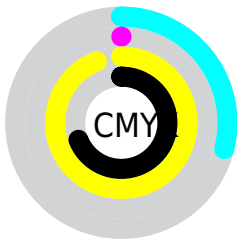
Blue (2%)



Red (2%)

Yellow (31%)

Blue (11%)

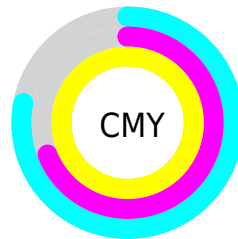


Cyan (29%)

Magenta (0%)

Yellow (94%)

Black (69%)



Cyan (78%)


Magenta (69%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 41.871, 118.930 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, 41.871, 118.930 by changing the saturation by 10% instead.


 31, 41.871,
118.930


 31, 41.871,
118.930

 100, 41.871,
118.930


 21, 41.871,
118.930

 51, 41.871,
118.930


 11, 41.871,
118.930


 61, 41.871,
118.930

 1, 41.871, 118.930

 71, 41.871,
118.930

 0, 41.871, 118.930

 81, 41.871,
118.930

 91, 41.871,
118.930

■ 31, 41.871,
118.930

■ 31, 41.871,
118.930

■ 31, 43.901,
118.940

■ 31, 38.939,
118.739

■ 31, 35.441,
118.741

■ 32, 31.351,
118.966

■ 32, 26.848,
119.337

■ 32, 22.070,
119.798

■ 33, 17.117,
120.307

■ 33, 12.057,
120.835

■ 34, 6.940, 121.365

Harmonies

Complementary

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



31, 41.871, 118.930



9, 51.719, 308.568

Rectangle

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



31, 41.871, 118.930



31, 41.871, 168.930



31, 41.871, 298.930



31, 41.871, 348.930

Sweetspot

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



31, 41.871, 118.932



43, 17.849, 120.543



18, 34.150, 46.804



21, 12.408, 120.404



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 41.871, 118.932



40, 52.927, 119.438



29, 47.988, 134.168



16, 2.913, 121.615



85, 95.503, 120.415

Inverse Universe

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



9, 51.719, 308.568



11, 66.918, 308.918



15, 48.526, 321.297



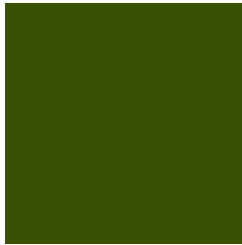
15, 2.961, 302.509



32, 120.987, 308.282

Previews

White Background



This preview shows how the CIELCh color 31, 41.871, 118.930 looks on a white background.

Color Contrast Check

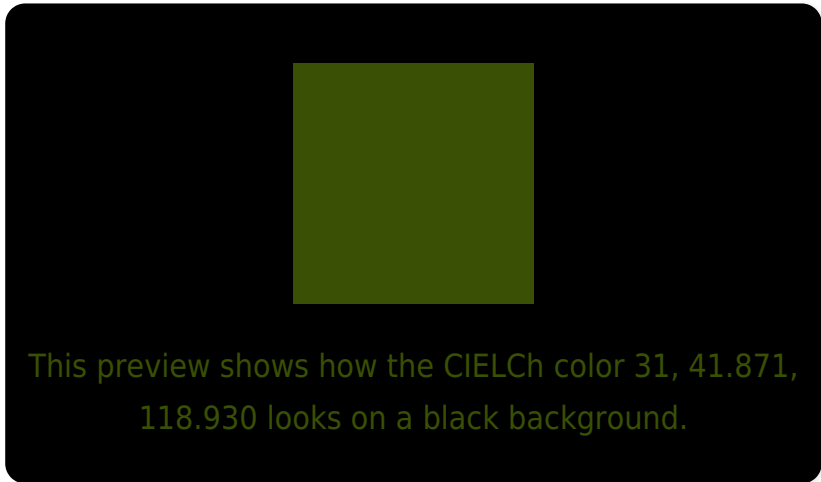
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

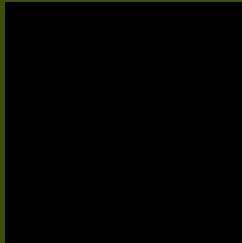
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 41.871, 118.930

Background



This preview shows how black text looks on a background with the CIELCh color 31, 41.871, 118.930.



This preview shows how white text looks on a background with the CIELCh color 31, 41.871, 118.930.

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, 41.871, 118.930

Protanopia

31, 39.594, 95.931

Deuteranopia

31, 34.002, 83.018



Tritanopia
31, 5.132, 237.395

Trichromacy



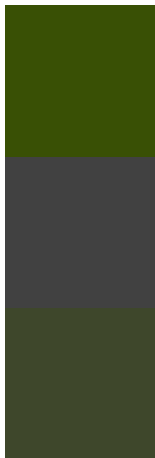
Original Color
31, 41.871, 118.930

Protanomaly
31, 39.637, 105.241

Deuteranomaly
31, 34.959, 98.478

Tritanomaly
31, 16.624, 132.032

Monochromacy



Original Color
31, 41.871, 118.930

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 18.199, 120.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 41.871, 118.930 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(57, 80, 5)` looks like.

```
.text, #text, p{  
    color:rgb(57, 80, 5)  
}
```

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(57, 80, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 80, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 41.871, 118.930 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(57, 80, 5) }
```

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

```
.border{ border-color:rgb(57, 80, 5) }
```

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

Here you see how a box with a 4 pixel rgb(57, 80, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 80, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 80, 5); box-shadow:4px  
4px 4px 4px rgb(57, 80, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 41.871, 118.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 80, 5) }
```

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

```
.background{ background-color: rgb(57, 80,  
5) }
```

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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