

Converting Colors

CIELCh(31, 40.556, 106.583)

Have a look what the booklet for
CIELCh(31, 40.556, 106.583)
contains.

CIELCh(31, 40.450, 106.590)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 40.450, 106.590)

Conversions

Conversions Part 1

Format	Color
Hex	484D01
RGB	72, 77, 1
RGB Percent	28%, 30%, 0%
CMY	0.7185, 0.6988, 0.9968
CMYK	0.07, 0.00, 0.99, 0.70
HSL	64°, 98%, 15%
HSV	64°, 99%, 30%
XYZ	5.3013, 6.6515, 1.0278
YIQ	66.8410, 21.4160, -24.6960

Conversions

Conversions Part 2

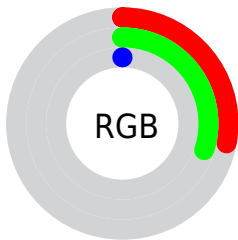
Format	Color
RYB	1, 77, 6
Decimal	4738305
CIELab	31.00, -11.55, 38.77
CIELCh	31, 40.450, 106.590
Yxy	6.6515, 0.4084, 0.5124
Android (android.graphics.Color)	4282928385 (0xFF484D01)
YUV	66.8410, -32.4596, 4.5244
Hunter-Lab	25.7905, -8.4425, 15.6905

Details

The CIELCh color **31, 40.450, 106.590** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5, 53.450, 305.597**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 40.349, 106.952**, and **11, 19.421, 122.517** is the 20% darker color. If you saturate the color by 10%, you get **31, 40.767, 106.551**, and if you desaturate by 10%, it is **31, 37.680, 106.916**.

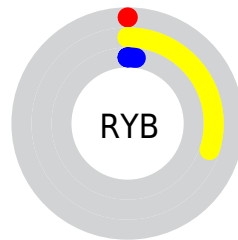
Distribution



Red (28%)

Green (30%)

Blue (0%)



Red (0%)

Yellow (30%)

Blue (2%)

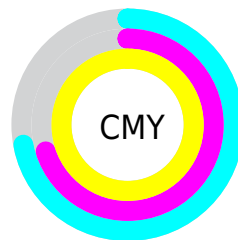


Cyan (7%)

Magenta (0%)

Yellow (99%)

Black (70%)



Cyan (72%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 40.450, 106.590 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, 40.450, 106.590 by changing the saturation by 10% instead.


 31, 40.450,
106.590


 31, 40.450,
106.590

 100, 40.450,
106.590


 21, 40.450,
106.590

 51, 40.450,
106.590


 11, 40.450,
106.590


 61, 40.450,
106.590

 1, 40.450, 106.590

 71, 40.450,
106.590

 0, 40.450, 106.590

 81, 40.450,
106.590

 91, 40.450,
106.590

■ 31, 40.450,
106.590

■ 31, 40.450,
106.590

■ 31, 40.767,
106.551

■ 31, 37.680,
106.916

■ 31, 34.882,
107.234

■ 31, 31.417,
107.713

■ 31, 27.450,
108.316

■ 32, 23.138,
109.004

■ 32, 18.599,
109.746

■ 32, 13.916,
110.518

■ 32, 9.145, 111.302

Harmonies

Complementary

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



31, 40.450, 106.590



5, 53.450, 305.597

Rectangle

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



31, 40.450, 106.590



31, 40.450, 156.590



31, 40.450, 286.590



31, 40.450, 336.590

Sweetspot

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



31, 40.450, 106.592



41, 17.846, 110.350



14, 38.154, 33.283



21, 12.258, 110.172



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, 40.450, 106.592



40, 48.722, 106.685



28, 45.390, 128.092



15, 2.691, 112.103



41, 49.597, 106.696



87, 89.790, 106.970

Inverse Universe

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



5, 53.450, 305.597



9, 66.646, 306.689



9, 50.826, 314.107



14, 2.742, 293.483



9, 67.853, 306.678



29, 123.253, 306.443

Previews

White Background



This preview shows how the CIELCh color 31, 40.450, 106.590 looks on a white background.

Color Contrast Check

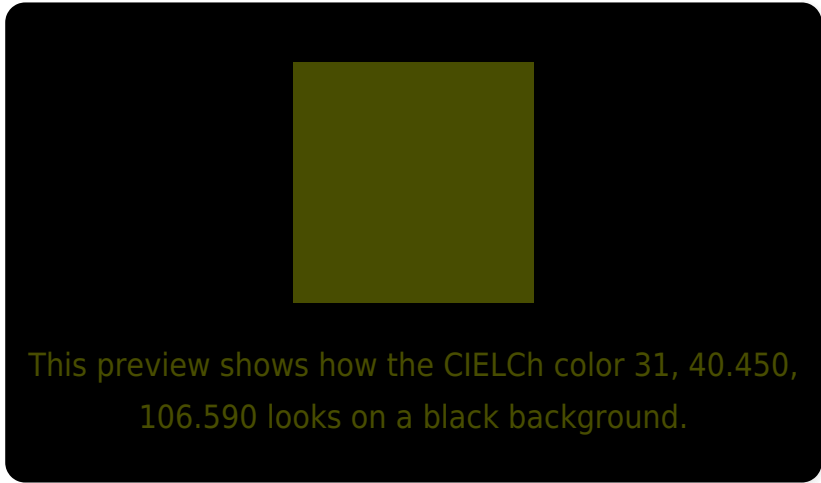
Large Text (above 18pt) WCAG AA ✓ Pass

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

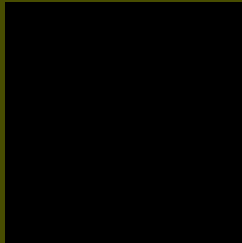
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 40.450, 106.590

Background



This preview shows how black text looks on a background with the CIELCh color 31, 40.450, 106.590.



This preview shows how white text looks on a background with the CIELCh color 31, 40.450, 106.590.

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, 40.450, 106.590

Protanopia

31, 39.669, 95.169

Deuteranopia

31, 35.573, 83.603



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color
31, 40.450, 106.590

Protanomaly
31, 39.735, 99.045

Deuteranomaly
31, 36.552, 92.549

Tritanomaly
31, 15.131, 103.660

Monochromacy



Original Color
31, 40.450, 106.590

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, 40.450, 106.590 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(72, 77, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 77, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 40.450, 106.590 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, 1) }
```

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

```
.border{ border-color:rgb(72, 77, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 77, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 77, 1); box-shadow:4px  
4px 4px 4px rgb(72, 77, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 40.450, 106.590 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, 1) }
```

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

```
.background{ background-color: rgb(72, 77,  
1) }
```

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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