

Converting Colors

CIELCh(31, 48.585, 127.795)

Have a look what the booklet for
CIELCh(31, 48.585, 127.795)
contains.

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Color

CIELCh(31, 48.230, 128.011)

Conversions

Conversions Part 1

Format	Color
Hex	265300
RGB	38, 83, 0
RGB Percent	15%, 33%, 0%
CMY	0.8497, 0.6733, 0.9989
CMYK	0.54, 0.00, 1.00, 0.67
HSL	93°, 99%, 16%
HSV	93°, 100%, 33%
XYZ	3.9292, 6.6515, 1.0847
YIQ	60.0830, -0.1770, -35.3530

Conversions

Conversions Part 2

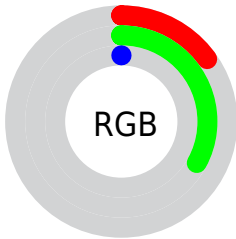
Format	Color
RYB	0, 83, 45
Decimal	2511616
CIELab	31.00, -29.70, 38.00
CIELCh	31, 48.230, 128.011
Yxy	6.6515, 0.3368, 0.5702
Android (android.graphics.Color)	4280701696 (0xFF265300)
YUV	60.0830, -29.6209, -19.3668
Hunter-Lab	25.7905, -17.9388, 15.5597

Details

The CIELCh color **31, 48.230, 128.011** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 54.242, 313.805**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 48.337, 127.957**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.348, 128.007**, and if you desaturate by 10%, it is **31, 44.866, 127.950**.

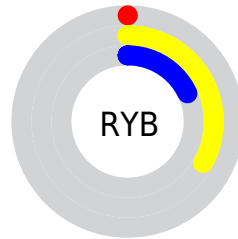
Distribution



Red (15%)

Green (33%)

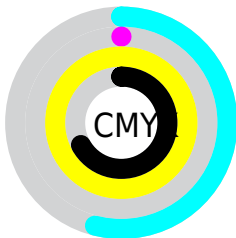
Blue (0%)



Red (0%)

Yellow (33%)

Blue (18%)

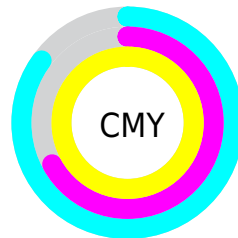


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (67%)



Cyan (85%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 48.230, 128.011 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, 48.230, 128.011 by changing the saturation by 10% instead.


 31, 48.230,
128.011


 31, 48.230,
128.011

 100, 48.230,
128.011


 21, 48.230,
128.011

 51, 48.230,
128.011


 11, 48.230,
128.011


 61, 48.230,
128.011

 1, 48.230, 128.011

 71, 48.230,
128.011

 0, 48.230, 128.011

 81, 48.230,
128.011

 91, 48.230,
128.011

■ 31, 48.230,
128.011

■ 31, 48.230,
128.011

■ 31, 48.348,
128.007

■ 31, 44.866,
127.950

■ 32, 41.391,
127.730

■ 32, 37.191,
127.791

■ 32, 32.450,
128.046

■ 33, 27.341,
128.415

■ 33, 21.996,
128.841

■ 34, 16.511,
129.285

■ 34, 10.954,

129.724

■ 35, 5.374, 130.149

Harmonies

Complementary

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



31, 48.230, 128.011



11, 54.242, 313.805

Rectangle

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



31, 48.230, 128.011



31, 48.230, 178.011



31, 48.230, 308.011



31, 48.230, 358.011

Sweetspot

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



31, 48.230, 128.012



43, 20.543, 129.225



23, 35.265, 65.631



21, 13.842, 129.121



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, 48.230, 128.012



40, 57.900, 128.543



30, 52.140, 136.715



16, 3.054, 130.189



39, 56.897, 128.497



82, 103.181, 129.591

Inverse Universe

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



11, 54.242, 313.805



15, 65.003, 313.452



18, 49.931, 329.482



15, 3.088, 310.840



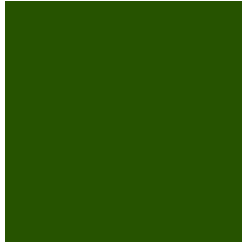
15, 63.889, 313.484



38, 115.319, 312.725

Previews

White Background



This preview shows how the CIELCh color 31, 48.230, 128.011 looks on a white background.

Color Contrast Check

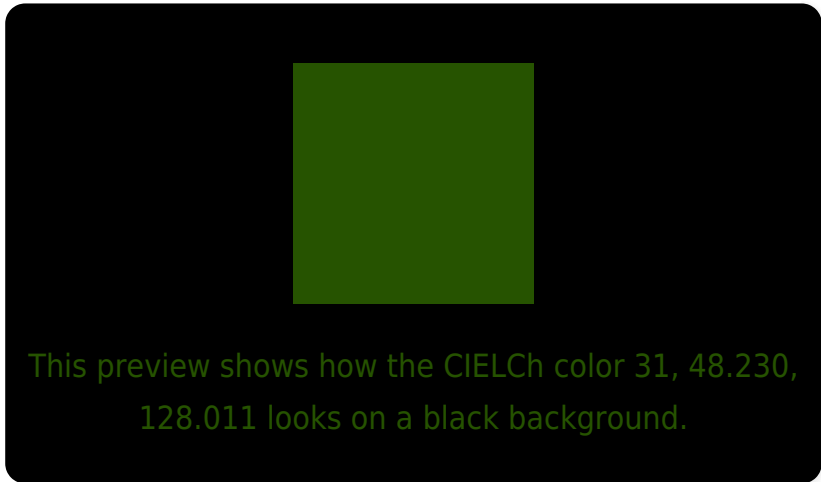
Large Text (above 18pt) WCAG AA ✓ Pass

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

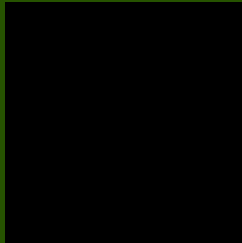
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 48.230, 128.011

Background



This preview shows how black text looks on a background with the CIELCh color 31, 48.230, 128.011.



This preview shows how white text looks on a background with the CIELCh color 31, 48.230, 128.011.

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, 48.230, 128.011

Protanopia

31, 39.594, 95.931

Deuteranopia

31, 33.580, 82.847



Tritanopia
31, 10.971, 222.256

Trichromacy



Original Color
31, 48.230, 128.011

Protanomaly
31, 41.202, 110.735

Deuteranomaly
30, 35.600, 105.240

Tritanomaly
30, 21.423, 148.916

Monochromacy



Original Color
31, 48.230, 128.011

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 20.582, 128.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 48.230, 128.011 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(38, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(38, 83, 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(38, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 48.230, 128.011 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(38, 83, 0) }
```

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

```
.border{ border-color:rgb(38, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 83, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(38, 83, 0); box-shadow:4px  
4px 4px 4px rgb(38, 83, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 48.230, 128.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 83, 0) }
```

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

```
.background{ background-color: rgb(38, 83,  
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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