

Converting Colors

CIELCh(31, 49.295, 128.787)

Have a look what the booklet for
CIELCh(31, 49.295, 128.787)
contains.

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Color

CIELCh(31, 49.061, 128.904)

Conversions

Conversions Part 1

Format	Color
Hex	245400
RGB	36, 84, 0
RGB Percent	14%, 33%, 0%
CMY	0.8604, 0.6720, 1.0000
CMYK	0.57, 0.00, 1.00, 0.67
HSL	94°, 100%, 16%
HSV	94°, 100%, 33%
XYZ	3.8540, 6.6515, 1.0712
YIQ	60.0720, -1.6440, -36.3000

Conversions

Conversions Part 2

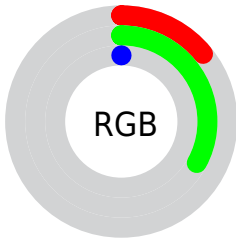
Format	Color
RYB	0, 84, 48
Decimal	2380800
CIELab	31.00, -30.81, 38.18
CIELCh	31, 49.061, 128.904
Yxy	6.6515, 0.3329, 0.5746
Android (android.graphics.Color)	4280570880 (0xFF245400)
YUV	60.0720, -29.6155, -21.1111
Hunter-Lab	25.7905, -18.4594, 15.5907

Details

The CIELCh color **31, 49.061, 128.904** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 54.215, 314.625**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 48.829, 129.189**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.953, 128.978**, and if you desaturate by 10%, it is **31, 45.553, 128.971**.

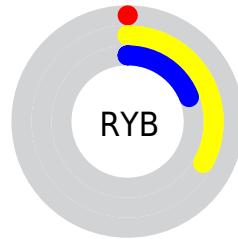
Distribution



Red (14%)

Green (33%)

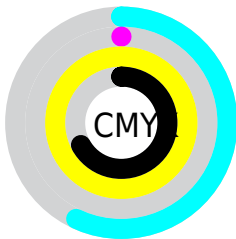
Blue (0%)



Red (0%)

Yellow (33%)

Blue (19%)

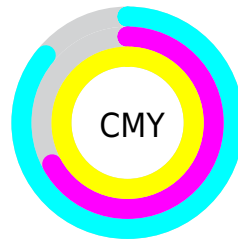


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (67%)



Cyan (86%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 49.061, 128.904 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, 49.061, 128.904 by changing the saturation by 10% instead.


 31, 49.061,
128.904


 31, 49.061,
128.904

 100, 49.061,
128.904


 21, 49.061,
128.904

 51, 49.061,
128.904


 11, 49.061,
128.904


 61, 49.061,
128.904

 1, 49.061, 128.904

 71, 49.061,
128.904

 0, 49.061, 128.904

 81, 49.061,
128.904

 91, 49.061,
128.904

■ 31, 49.061,
128.904

■ 31, 49.061,
128.904

■ 31, 48.953,
128.978

■ 31, 45.553,
128.971

■ 32, 42.055,
128.774

■ 32, 37.820,
128.852

■ 32, 33.031,
129.122

■ 33, 27.863,
129.503

■ 33, 22.453,
129.937

■ 34, 16.899,
130.386

■ 34, 11.273,

130.828

■ 35, 5.626, 131.251

Harmonies

Complementary

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



31, 49.061, 128.904



11, 54.215, 314.625

Rectangle

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



31, 49.061, 128.904



31, 49.061, 178.904



31, 49.061, 308.904



31, 49.061, 358.904

Sweetspot

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



31, 48.953, 128.978



44, 21.129, 130.339



23, 35.512, 68.674



22, 14.521, 130.223



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 48.953, 128.978



41, 59.476, 129.540



30, 51.579, 137.333



16, 3.079, 131.305



39, 57.452, 129.451



82, 104.210, 130.518

Inverse Universe

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



11, 54.215, 314.625



16, 65.678, 314.245



18, 48.962, 330.837



15, 3.111, 311.942



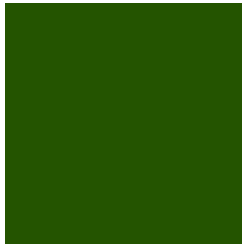
15, 63.472, 314.306



39, 114.504, 313.559

Previews

White Background



This preview shows how the CIELCh color 31, 49.061, 128.904 looks on a white background.

Color Contrast Check

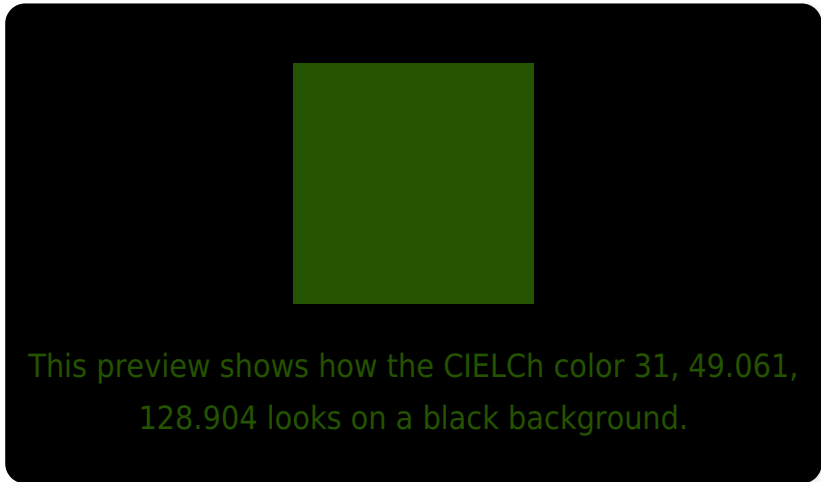
Large Text (above 18pt) WCAG AA ✓ Pass

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

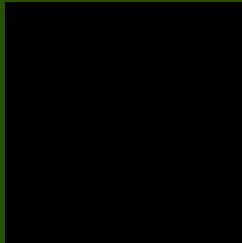
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 49.061, 128.904

Background



This preview shows how black text looks on a background with the CIELCh color 31, 49.061, 128.904.



This preview shows how white text looks on a background with the CIELCh color 31, 49.061, 128.904.

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, 49.061, 128.904

Protanopia
31, 39.594, 95.931

Deuteranopia
31, 33.580, 82.847



Tritanopia
31, 11.719, 217.091

Trichromacy



Original Color
31, 49.061, 128.904

Protanomaly
30, 41.287, 111.422

Deuteranomaly
30, 35.621, 106.072

Tritanomaly
31, 23.381, 149.451

Monochromacy



Original Color
31, 49.061, 128.904

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 21.485, 129.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 49.061, 128.904 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(36, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 84, 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(36, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 49.061, 128.904 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(36, 84, 0) }
```

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

```
.border{ border-color:rgb(36, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 84, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 84, 0); box-shadow:4px  
4px 4px 4px rgb(36, 84, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 49.061, 128.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 84, 0) }
```

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

```
.background{ background-color: rgb(36, 84,  
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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