

Converting Colors

CIELCh(30, 31.136, 111.019)

Have a look what the booklet for
CIELCh(30, 31.136, 111.019)
contains.

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Color

CIELCh(30, 31.203, 111.930)

Conversions

Conversions Part 1

Format	Color
Hex	434B17
RGB	67, 75, 23
RGB Percent	26%, 29%, 9%
CMY	0.7384, 0.7070, 0.9109
CMYK	0.11, 0.00, 0.70, 0.71
HSL	69°, 53%, 19%
HSV	69°, 70%, 29%
XYZ	4.9422, 6.2359, 1.7388
YIQ	66.6800, 11.9240, -17.8680

Conversions

Conversions Part 2

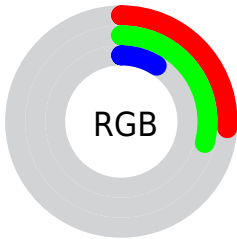
Format	Color
RYB	23, 75, 31
Decimal	4410135
CIELab	30.00, -11.65, 28.95
CIElCh	30, 31.203, 111.930
Yxy	6.2359, 0.3826, 0.4828
Android (android.graphics.Color)	4282600215 (0xFF434B17)
YUV	66.6800, -21.5342, 0.2806
Hunter-Lab	24.9718, -8.3735, 13.3518

Details

The CIELCh color **30, 31.203, 111.930** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 37.178, 303.277**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 31.333, 111.903**, and **10, 18.385, 125.995** is the 20% darker color. If you saturate the color by 10%, you get **30, 34.623, 111.619**, and if you desaturate by 10%, it is **30, 27.297, 112.396**.

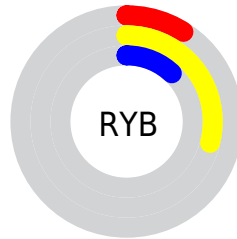
Distribution



 Red (26%)

 Green (29%)

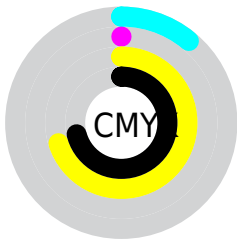
 Blue (9%)



 Red (9%)

 Yellow (29%)

 Blue (12%)

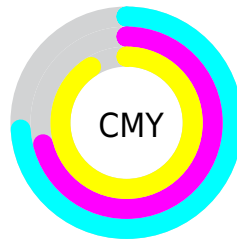


 Cyan (11%)

 Magenta (0%)

 Yellow (70%)

 Black (71%)



 Cyan (74%)


 Magenta (71%)


 Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 31.203, 111.930 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 30, 31.203, 111.930 by changing the saturation by 10% instead.


 30, 31.203,
111.930


 30, 31.203,
111.930

 100, 31.203,
111.930


 20, 31.203,
111.930


 50, 31.203,
111.930


 10, 31.203,
111.930

 60, 31.203,
111.930

 0, 31.203, 111.930

 70, 31.203,
111.930

 80, 31.203,
111.930

 90, 31.203,
111.930

■ 30, 31.203,
111.930

■ 30, 31.203,
111.930

■ 30, 34.623,
111.619

■ 30, 27.297,
112.396

■ 30, 37.426,
111.497

■ 30, 23.056,
112.960

■ 30, 40.308,
111.304

■ 31, 18.594,
113.586

■ 30, 40.432,
111.294

■ 31, 13.990,
114.246

■ 31, 9.301, 114.917

■ 31, 4.562, 115.586

■ 32, 0.198, 296.257

■ 32, 4.962, 296.880

■ 33, 9.716, 297.491

Harmonies

Complementary

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



30, 31.203, 111.930



12, 37.178, 303.277

Rectangle

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



30, 31.203, 111.930



30, 31.203, 161.930



30, 31.203, 291.930



30, 31.203, 341.930

Sweetspot

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



30, 31.203, 111.932



40, 12.355, 114.769



18, 25.423, 37.085



20, 8.246, 114.686



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 31.203, 111.932



39, 43.965, 111.518



28, 35.127, 131.194



15, 2.706, 115.646



40, 50.169, 111.647



86, 90.970, 112.250

Inverse Universe

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



12, 37.178, 303.277



12, 55.697, 305.432



15, 37.085, 316.629



14, 2.756, 296.815



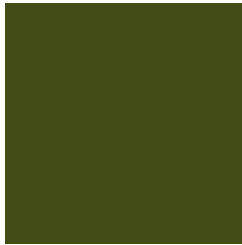
10, 67.257, 307.257



30, 122.481, 306.840

Previews

White Background



This preview shows how the CIELCh color 30, 31.203, 111.930 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



This preview shows how the CIE LCh color 30, 31.203, 111.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

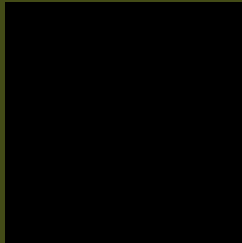
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

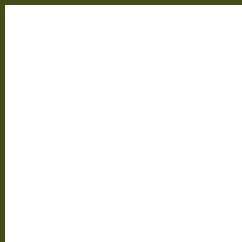
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 31.203, 111.930

Background



This preview shows how black text looks on a background with the CIELCh color 30, 31.203, 111.930.



This preview shows how white text looks on a background with the CIELCh color 30, 31.203, 111.930.

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


30, 31.203, 111.930

Protanopia

30, 29.823, 96.465

Deuteranopia

30, 28.478, 82.146



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color
30, 31.203, 111.930

Protanomaly
30, 30.012, 101.507

Deuteranomaly
30, 28.526, 94.201

Tritanomaly
30, 10.195, 113.540

Monochromacy



Original Color
30, 31.203, 111.930

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 12.202, 114.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 31.203, 111.930 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(67, 75, 23)` looks like.

```
.text, #text, p{  
    color:rgb(67, 75, 23)  
}
```

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(67, 75, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 75, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 31.203, 111.930 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(67, 75, 23) }
```

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

```
.border{ border-color:rgb(67, 75, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 75, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 75, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 75, 23);  
box-shadow:4px 4px 4px 4px rgb(67, 75, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 31.203, 111.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 75, 23) }
```

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

```
.background{ background-color: rgb(67, 75,  
23) }
```

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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