

Converting Colors

CIELCh(30, 11.437, 110.377)

Have a look what the booklet for
CIELCh(30, 11.437, 110.377)
contains.

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Color

CIELCh(30, 11.412, 110.400)

Conversions

Conversions Part 1

Format	Color
Hex	474836
RGB	71, 72, 54
RGB Percent	28%, 28%, 21%
CMY	0.7217, 0.7177, 0.7883
CMYK	0.01, 0.00, 0.25, 0.72
HSL	63°, 14%, 25%
HSV	63°, 25%, 28%
XYZ	5.5774, 6.2359, 4.3965
YIQ	69.6490, 5.1820, -5.8100

Conversions

Conversions Part 2

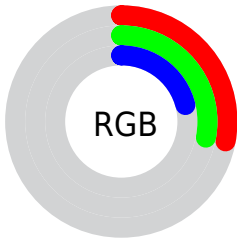
Format	Color
RYB	54, 72, 55
Decimal	4671542
CIELab	30.00, -3.98, 10.70
CIElCh	30, 11.412, 110.400
Yxy	6.2359, 0.3441, 0.3847
Android (android.graphics.Color)	4282861622 (0xFF474836)
YUV	69.6490, -7.7150, 1.1848
Hunter-Lab	24.9718, -3.8329, 7.0417

Details

The CIELCh color **30, 11.412, 110.400** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.021, 294.685**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 11.041, 108.719**, and **10, 11.762, 110.973** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.888, 109.620**, and if you desaturate by 10%, it is **30, 6.872, 111.193**.

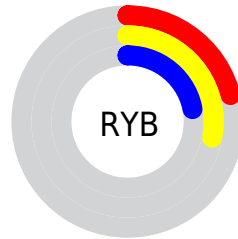
Distribution



Red (28%)

Green (28%)

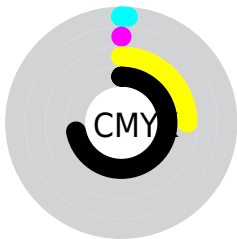
Blue (21%)



Red (21%)

Yellow (28%)

Blue (22%)

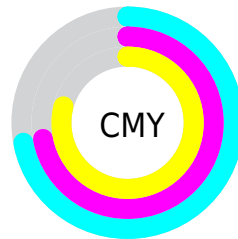


Cyan (1%)

Magenta (0%)

Yellow (25%)

Black (72%)



Cyan (72%)


Magenta (72%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 11.412, 110.400 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, 11.412, 110.400 by changing the saturation by 10% instead.


 30, 11.412,
110.400


 30, 11.412,
110.400


 100, 11.412,
110.400


 20, 11.412,
110.400


 50, 11.412,
110.400


 10, 11.412,
110.400

 60, 11.412,
110.400

 0, 11.412, 110.400

 70, 11.412,
110.400

 80, 11.412,
110.400

 90, 11.412,
110.400

■ 30, 11.412,
110.400

■ 30, 11.412,
110.400

■ 30, 15.888,
109.620

■ 30, 6.872, 111.193

■ 30, 20.253,
108.856

■ 30, 2.295, 111.972

■ 31, 2.297, 292.759

■ 29, 24.444,
108.134

■ 31, 6.890, 293.501

■ 29, 28.365,
107.479

■ 31, 11.473,
294.222

■ 29, 31.887,
106.925

■ 32, 16.038,
294.914

■ 29, 34.846,
106.509

■ 32, 20.578,
295.575

■ 29, 37.518,
106.158

■ 32, 25.090,
296.202

■ 29, 38.960,

■ 33, 29.569,

105.958

296.797

Harmonies

Complementary

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



30, 11.412, 110.400



23, 12.021, 294.685

Rectangle

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



30, 11.412, 110.400



30, 11.412, 160.400



30, 11.412, 290.400



30, 11.412, 340.400

Sweetspot

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



30, 11.413, 110.404



40, 4.588, 111.717



25, 8.217, 25.019



20, 3.288, 111.643



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, 11.413, 110.404



39, 17.082, 109.917



29, 12.364, 129.800



14, 2.536, 111.697



40, 48.684, 106.089



87, 88.956, 106.328

Inverse Universe

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



23, 12.021, 294.685



29, 18.257, 295.396



24, 12.703, 311.797



12, 2.584, 293.076



9, 66.713, 306.626



28, 122.273, 306.416

Previews

White Background



This preview shows how the CIELCh color 30, 11.412, 110.400 looks on a white background.

Color Contrast Check

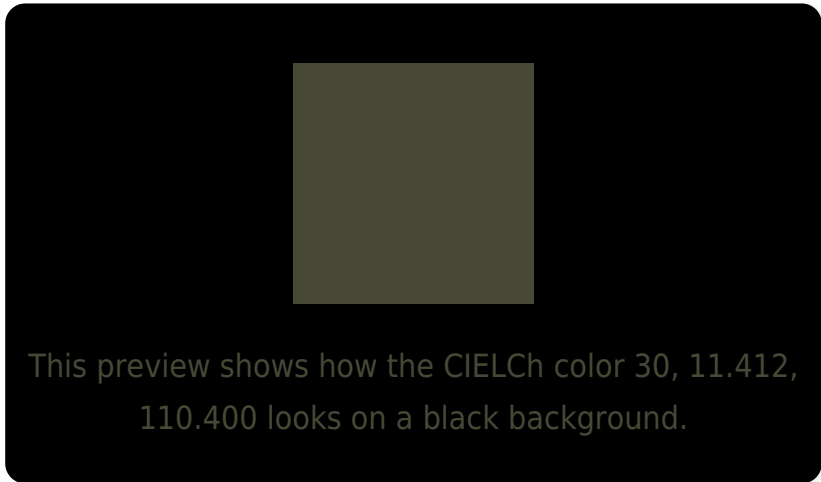
Large Text (above 18pt) WCAG AA ✓ Pass

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

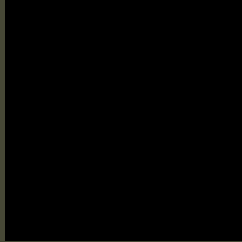
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

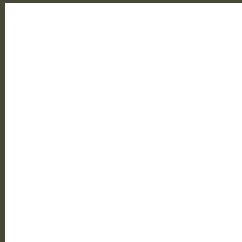
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 11.412, 110.400

Background



This preview shows how black text looks on a background with the CIELCh color 30, 11.412, 110.400.

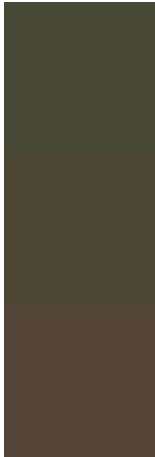


This preview shows how white text looks on a background with the CIELCh color 30, 11.412, 110.400.

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, 11.412, 110.400

Protanopia

30, 11.675, 96.118

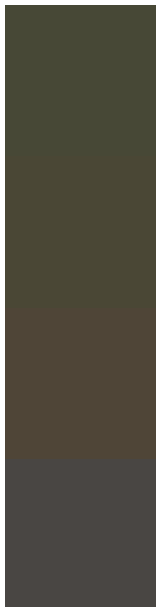
Deuteranopia

30, 11.104, 67.823



Tritanopia
30, 4.439, 320.099

Trichromacy



Original Color
30, 11.412, 110.400

Protanomaly
30, 11.511, 100.826

Deuteranomaly
30, 10.175, 80.285

Tritanomaly
30, 2.334, 74.452

Monochromacy



Original Color
30, 11.412, 110.400

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 4.489, 115.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 11.412, 110.400 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(71, 72, 54)` looks like.

```
.text, #text, p{  
    color:rgb(71, 72, 54)  
}
```

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(71, 72, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 72, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 11.412, 110.400 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(71, 72, 54) }
```

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

```
.border{ border-color:rgb(71, 72, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 72, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 72, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 72, 54);  
box-shadow:4px 4px 4px 4px rgb(71, 72, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 11.412, 110.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 72, 54) }
```

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

```
.background{ background-color: rgb(71, 72,  
54) }
```

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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