

Converting Colors

CIELCh(30, 34.912, 100.278)

Have a look what the booklet for
CIELCh(30, 34.912, 100.278)
contains.

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Color

CIELCh(30, 34.806, 100.138)

Conversions

Conversions Part 1

Format	Color
Hex	4C480B
RGB	76, 72, 11
RGB Percent	30%, 28%, 4%
CMY	0.7010, 0.7167, 0.9558
CMYK	0.00, 0.05, 0.85, 0.70
HSL	56°, 74%, 17%
HSV	56°, 85%, 30%
XYZ	5.3944, 6.2359, 1.2442
YIQ	66.2420, 21.9650, -18.1230

Conversions

Conversions Part 2

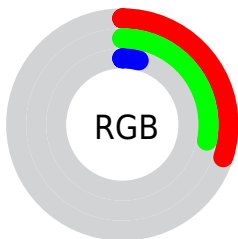
Format	Color
R_{YB}	15, 76, 11
Decimal	4999179
CIE Lab	30.00, -6.13, 34.26
CIE LCh	30, 34.806, 100.138
Yxy	6.2359, 0.4190, 0.4844
Android (android.graphics.Color)	4283189259 (0xFF4C480B)
YUV	66.2420, -27.2343, 8.5578
Hunter-Lab	24.9718, -5.1410, 14.5262

Details

The CIELCh color **30, 34.806, 100.138** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 44.228, 301.495**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 34.639, 100.164**, and **10, 15.831, 110.579** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.428, 99.481**, and if you desaturate by 10%, it is **30, 31.840, 100.859**.

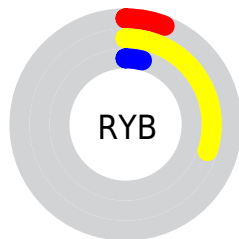
Distribution



Red (30%)

Green (28%)

Blue (4%)



Red (6%)

Yellow (30%)

Blue (4%)

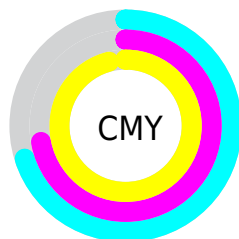


Cyan (0%)

Magenta (5%)

Yellow (85%)

Black (70%)



Cyan (70%)


Magenta (72%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 34.806, 100.138 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, 34.806, 100.138 by changing the saturation by 10% instead.


 30, 34.806,
100.138


 30, 34.806,
100.138

 100, 34.806,
100.138


 20, 34.806,
100.138


 50, 34.806,
100.138


 10, 34.806,
100.138

 60, 34.806,
100.138

 0, 34.806, 100.138

 70, 34.806,
100.138

 80, 34.806,
100.138

 90, 34.806,
100.138

■ 30, 34.806,
100.138

■ 30, 34.806,
100.138

■ 30, 37.428, 99.481

■ 30, 31.840,
100.859

■ 30, 38.817, 99.165

■ 30, 28.294,
101.657

■ 31, 24.352,
102.515

■ 31, 20.156,
103.414

■ 31, 15.803,
104.335

■ 32, 11.358,
105.265

■ 32, 6.865, 106.190

■ 32, 2.352, 107.094

Harmonies

Complementary

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



30, 34.806, 100.138



9, 44.228, 301.495

Rectangle

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



30, 34.806, 100.138



30, 34.806, 150.138



30, 34.806, 280.138



30, 34.806, 330.138

Sweetspot

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



30, 34.806, 100.140



41, 14.585, 105.101



15, 33.813, 27.641



20, 9.962, 104.933



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 34.806, 100.140



39, 46.566, 99.014



29, 39.248, 123.972



15, 2.525, 106.787



40, 47.396, 99.001



85, 85.519, 98.707

Inverse Universe

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



9, 44.228, 301.495



9, 63.521, 304.768



11, 45.203, 310.874



14, 2.567, 288.421



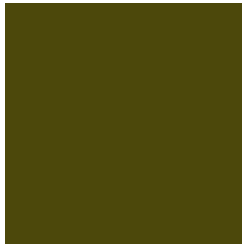
10, 64.755, 304.809



29, 120.966, 305.701

Previews

White Background



This preview shows how the CIE LCh color 30, 34.806, 100.138 looks on a white background.

Color Contrast Check

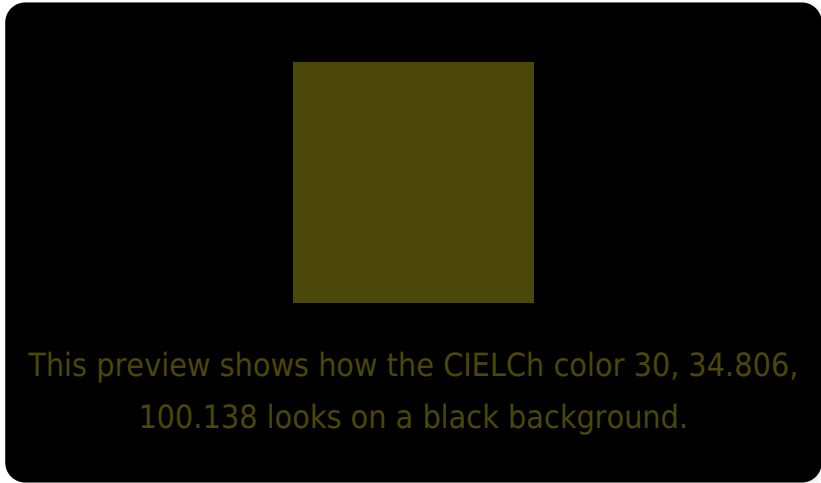
Large Text (above 18pt) WCAG AA ✓ Pass

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

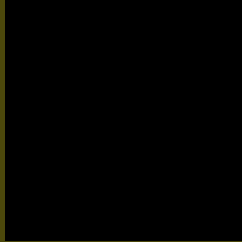
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 34.806, 100.138

Background



This preview shows how black text looks on a background with the CIELCh color 30, 34.806, 100.138.



This preview shows how white text looks on a background with the CIELCh color 30, 34.806, 100.138.

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, 34.806, 100.138

Protanopia

30, 34.682, 95.734

Deuteranopia

30, 33.363, 83.436



Tritanopia
30, 7.017, 353.614

Trichromacy



Original Color
30, 34.806, 100.138

Protanomaly
30, 34.602, 96.603

Deuteranomaly
30, 33.355, 90.067

Tritanomaly
30, 13.091, 85.876

Monochromacy



Original Color
30, 34.806, 100.138

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 14.048, 103.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 34.806, 100.138 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(76, 72, 11)` looks like.

```
.text, #text, p{  
    color:rgb(76, 72, 11)  
}
```

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(76, 72, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 72, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 34.806, 100.138 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(76, 72, 11) }
```

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

```
.border{ border-color:rgb(76, 72, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 72, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 72, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 72, 11);  
box-shadow:4px 4px 4px 4px rgb(76, 72, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 34.806, 100.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 72, 11) }
```

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

```
.background{ background-color: rgb(76, 72,  
11) }
```

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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