

Converting Colors

CIELCh(30, 28.679, 119.014)

Have a look what the booklet for
CIELCh(30, 28.679, 119.014)
contains.

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Color

CIELCh(30, 28.747, 118.982)

Conversions

Conversions Part 1

Format	Color
Hex	3E4C1E
RGB	62, 76, 30
RGB Percent	24%, 30%, 12%
CMY	0.7580, 0.7031, 0.8834
CMYK	0.18, 0.00, 0.61, 0.70
HSL	78°, 44%, 21%
HSV	78°, 61%, 30%
XYZ	4.7636, 6.2359, 2.1626
YIQ	66.5700, 6.4220, -17.2740

Conversions

Conversions Part 2

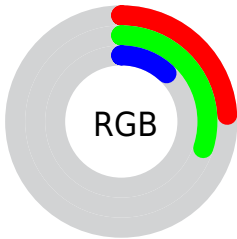
Format	Color
RYB	30, 76, 44
Decimal	4082718
CIELab	30.00, -13.93, 25.15
CIELCh	30, 28.747, 118.982
Yxy	6.2359, 0.3619, 0.4738
Android (android.graphics.Color)	4282272798 (0xFF3E4C1E)
YUV	66.5700, -18.0290, -4.0079
Hunter-Lab	24.9718, -9.6501, 12.3455

Details

The CIELCh color **30, 28.747, 118.982** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 32.502, 306.159**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 28.619, 119.041**, and **10, 19.841, 130.536** is the 20% darker color. If you saturate the color by 10%, you get **30, 32.793, 118.703**, and if you desaturate by 10%, it is **30, 24.359, 119.388**.

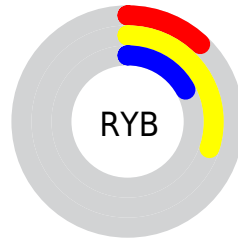
Distribution



Red (24%)

Green (30%)

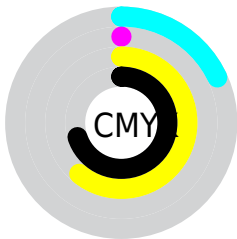
Blue (12%)



Red (12%)

Yellow (30%)

Blue (17%)

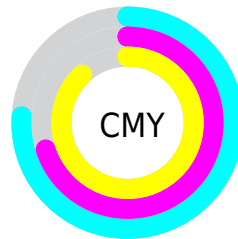


Cyan (18%)

Magenta (0%)

Yellow (61%)

Black (70%)



Cyan (76%)


Magenta (70%)


Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 28.747, 118.982 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, 28.747, 118.982 by changing the saturation by 10% instead.


 30, 28.747,
118.982

 30, 28.747,
118.982

 100, 28.747,
118.982


 20, 28.747,
118.982


 50, 28.747,
118.982


 10, 28.747,
118.982

 60, 28.747,
118.982

 0, 28.747, 118.982

 70, 28.747,
118.982

 80, 28.747,
118.982

 90, 28.747,
118.982

■ 30, 28.747,
118.982

■ 30, 28.747,
118.982

■ 30, 32.793,
118.703

■ 30, 24.359,
119.388

■ 30, 36.340,
118.614

■ 31, 19.744,
119.865

■ 29, 39.296,
118.749

■ 31, 14.986,
120.379

■ 29, 42.162,
118.725

■ 31, 10.144,
120.907

■ 32, 5.257, 121.432

■ 32, 0.355, 122.005

■ 33, 4.540, 302.416

■ 33, 9.415, 302.880

■ 34, 14.257,

Harmonies

Complementary

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



30, 28.747, 118.982



15, 32.502, 306.159

Rectangle

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



30, 28.747, 118.982



30, 28.747, 168.982



30, 28.747, 298.982



30, 28.747, 348.982

Sweetspot

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



30, 28.748, 118.984



41, 11.040, 121.014



22, 20.160, 48.962



21, 7.733, 120.922



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, 28.748, 118.984



39, 41.835, 118.629



29, 32.910, 135.583



15, 2.756, 121.539



39, 51.970, 119.295



84, 94.640, 120.300

Inverse Universe

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



15, 32.502, 306.159



17, 49.224, 307.359



18, 33.564, 321.068



14, 2.801, 302.421



11, 65.765, 308.917



32, 120.018, 308.260

Previews

White Background



This preview shows how the CIELCh color 30, 28.747, 118.982 looks on a white background.

Color Contrast Check

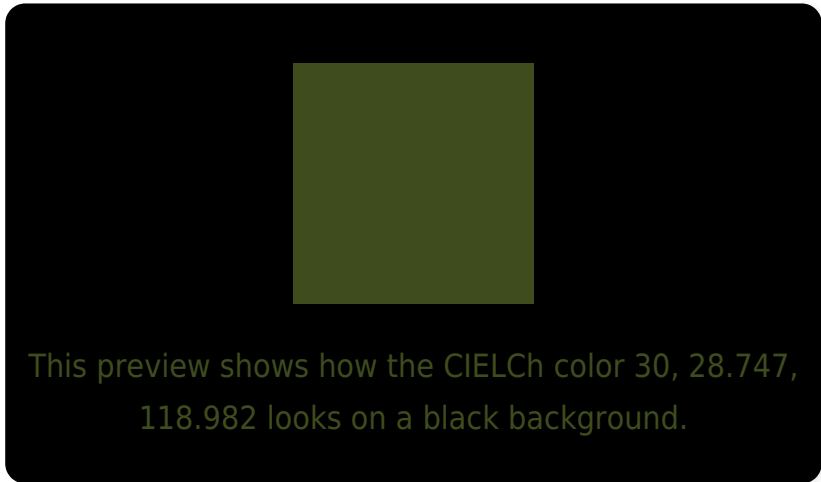
Large Text (above 18pt) WCAG AA ✓ Pass

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

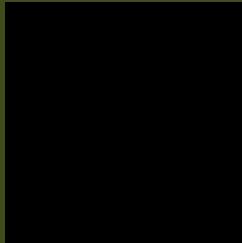
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 28.747, 118.982

Background



This preview shows how black text looks on a background with the CIELCh color 30, 28.747, 118.982.



This preview shows how white text looks on a background with the CIELCh color 30, 28.747, 118.982.

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, 28.747, 118.982

Protanopia

30, 26.717, 96.203

Deuteranopia

30, 24.556, 80.743



Tritanopia
30, 4.160, 267.045

Trichromacy



Original Color
30, 28.747, 118.982

Protanomaly
30, 26.829, 105.114

Deuteranomaly
30, 24.549, 95.828

Tritanomaly
30, 9.062, 132.311

Monochromacy



Original Color
30, 28.747, 118.982

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 11.218, 122.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 28.747, 118.982 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(62, 76, 30)` looks like.

```
.text, #text, p{  
    color:rgb(62, 76, 30)  
}
```

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(62, 76, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 76, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 28.747, 118.982 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(62, 76, 30) }
```

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

```
.border{ border-color:rgb(62, 76, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 76, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 76, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 76, 30);  
box-shadow:4px 4px 4px 4px rgb(62, 76, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 28.747, 118.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 76, 30) }
```

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

```
.background{ background-color: rgb(62, 76,  
30) }
```

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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