

Converting Colors

CIELCh(30, 10.426, 109.321)

Have a look what the booklet for
CIELCh(30, 10.426, 109.321)
contains.

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Color

CIELCh(30, 10.786, 110.649)

Conversions

Conversions Part 1

Format	Color
Hex	474837
RGB	71, 72, 55
RGB Percent	28%, 28%, 22%
CMY	0.7219, 0.7180, 0.7846
CMYK	0.01, 0.00, 0.24, 0.72
HSL	64°, 13%, 25%
HSV	64°, 24%, 28%
XYZ	5.5924, 6.2359, 4.5135
YIQ	69.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

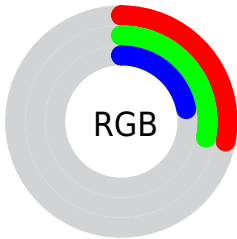
Format	Color
RYB	55, 72, 56
Decimal	4671543
CIELab	30.00, -3.80, 10.09
CIELCh	30, 10.786, 110.649
Yxy	6.2359, 0.3422, 0.3816
Android (android.graphics.Color)	4282861623 (0xFF474837)
YUV	69.7630, -7.2782, 1.0848
Hunter-Lab	24.9718, -3.7255, 6.7640

Details

The CIELCh color **30, 10.786, 110.649** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 11.326, 294.651**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 10.462, 108.796**, and **10, 10.906, 111.138** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.271, 109.872**, and if you desaturate by 10%, it is **30, 6.241, 111.438**.

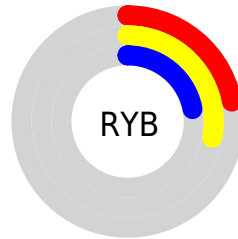
Distribution



Red (28%)

Green (28%)

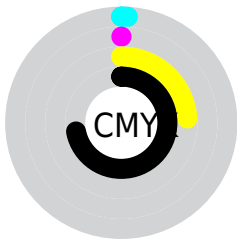
Blue (22%)



Red (22%)

Yellow (28%)

Blue (22%)

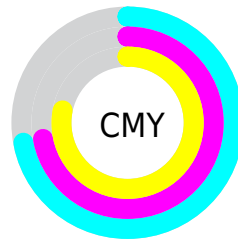


Cyan (1%)

Magenta (0%)

Yellow (24%)

Black (72%)



Cyan (72%)


Magenta (72%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 10.786, 110.649 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, 10.786, 110.649 by changing the saturation by 10% instead.


 30, 10.786,
110.649


 30, 10.786,
110.649

 100, 10.786,
110.649


 20, 10.786,
110.649


 50, 10.786,
110.649


 10, 10.786,
110.649

 60, 10.786,
110.649

 0, 10.786, 110.649

 70, 10.786,
110.649

 80, 10.786,
110.649

 90, 10.786,
110.649

■ 30, 10.786,
110.649

■ 30, 10.786,
110.649

■ 30, 15.271,
109.872

■ 30, 6.241, 111.438

■ 30, 19.653,
109.109

■ 30, 1.664, 112.207

■ 29, 23.870,
108.384

■ 31, 2.927, 292.988

■ 29, 27.834,
107.723

■ 31, 12.095,
294.437

■ 29, 31.419,
107.158

■ 32, 16.654,
295.120

■ 29, 34.465,
106.728

■ 32, 21.188,
295.771

■ 29, 37.119,
106.390

■ 32, 25.693,
296.390

■ 29, 38.948,

■ 33, 30.164,

106.141

296.976

Harmonies

Complementary

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



30, 10.786, 110.649



24, 11.326, 294.651

Rectangle

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



30, 10.786, 110.649



30, 10.786, 160.649



30, 10.786, 290.649



30, 10.786, 340.649

Sweetspot

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



30, 10.787, 110.653



40, 4.015, 111.931



25, 7.723, 24.924



20, 2.631, 111.921



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, 10.787, 110.653



39, 15.964, 110.223



29, 11.678, 129.859



14, 2.536, 111.831



40, 48.695, 106.279



87, 88.980, 106.533

Inverse Universe

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



24, 11.326, 294.651



30, 16.976, 295.263



25, 11.980, 311.737



12, 2.584, 293.202



9, 66.691, 306.646



28, 122.256, 306.425

Previews

White Background



This preview shows how the CIE LCh color 30, 10.786, 110.649 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 CIELCh color 30, 10.786, 110.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

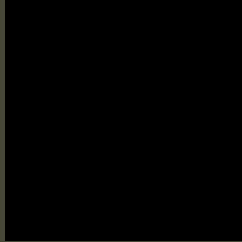
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

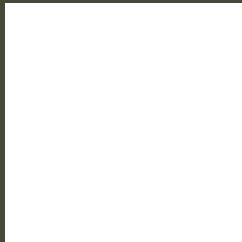
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 10.786, 110.649

Background



This preview shows how black text looks on a background with the CIELCh color 30, 10.786, 110.649.

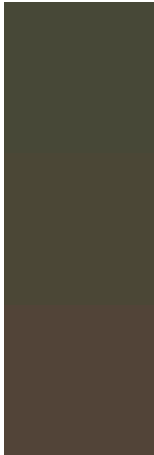


This preview shows how white text looks on a background with the CIELCh color 30, 10.786, 110.649.

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, 10.786, 110.649

Protanopia

30, 10.961, 98.072

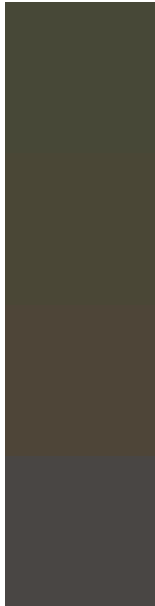
Deuteranopia

30, 10.269, 67.750



Tritanopia
30, 4.439, 320.099

Trichromacy



Original Color

30, 10.786, 110.649

Protanomaly

30, 10.886, 100.563

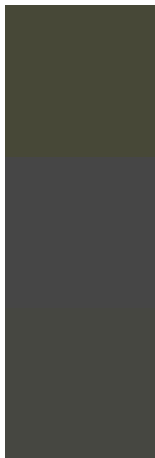
Deuteranomaly

30, 9.369, 81.262

Tritanomaly

30, 1.845, 63.158

Monochromacy



Original Color

30, 10.786, 110.649

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 3.856, 116.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 10.786, 110.649 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(71, 72, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 72, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 10.786, 110.649 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, 55) }
```

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

```
.border{ border-color:rgb(71, 72, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 72, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 72, 55);  
box-shadow:4px 4px 4px 4px rgb(71, 72, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 10.786, 110.649 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, 55) }
```

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

```
.background{ background-color: rgb(71, 72,  
55) }
```

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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