

Converting Colors

CIELCh(30, 15.982, 101.767)

Have a look what the booklet for
CIELCh(30, 15.982, 101.767)
contains.

CIELCh(30, 15.851, 101.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 15.851, 101.820)

Conversions

Conversions Part 1

Format	Color
Hex	4A472E
RGB	74, 71, 46
RGB Percent	29%, 28%, 18%
CMY	0.7081, 0.7199, 0.8180
CMYK	0.00, 0.04, 0.38, 0.71
HSL	54°, 23%, 24%
HSV	54°, 38%, 29%
XYZ	5.6406, 6.2359, 3.5338
YIQ	69.0470, 9.8130, -7.1390

Conversions

Conversions Part 2

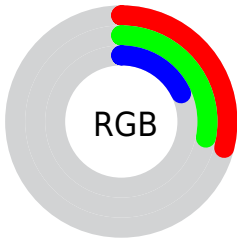
Format	Color
R_{YB}	49, 74, 46
Decimal	4867886
CIE Lab	30.00, -3.25, 15.51
CIE LCh	30, 15.851, 101.820
Yxy	6.2359, 0.3660, 0.4047
Android (android.graphics.Color)	4283057966 (0xFF4A472E)
YUV	69.0470, -11.3622, 4.3438
Hunter-Lab	24.9718, -3.3812, 9.0901

Details

The CIELCh color **30, 15.851, 101.820** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **21, 16.899, 290.060**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 15.767, 101.731**, and **10, 15.146, 101.776** is the 20% darker color. If you saturate the color by 10%, you get **30, 19.949, 100.848**, and if you desaturate by 10%, it is **30, 11.674, 102.801**.

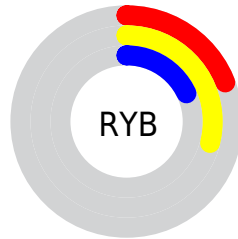
Distribution



Red (29%)

Green (28%)

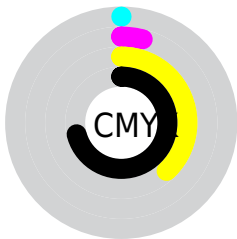
Blue (18%)



Red (19%)

Yellow (29%)

Blue (18%)

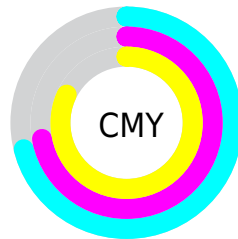


Cyan (0%)

Magenta (4%)

Yellow (38%)

Black (71%)



Cyan (71%)


Magenta (72%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 15.851, 101.820 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, 15.851, 101.820 by changing the saturation by 10% instead.


 30, 15.851,
101.820


 30, 15.851,
101.820

 100, 15.851,
101.820


 20, 15.851,
101.820


 50, 15.851,
101.820


 10, 15.851,
101.820

 60, 15.851,
101.820

 0, 15.851, 101.820

 70, 15.851,
101.820

 80, 15.851,
101.820

 90, 15.851,
101.820

■ 30, 15.851,
101.820

■ 30, 15.851,
101.820

■ 30, 19.949,
100.848

■ 30, 11.674,
102.801

■ 29, 23.901, 99.886

■ 31, 7.458, 103.769

■ 29, 27.610, 98.948

■ 31, 3.230, 104.714

■ 29, 30.929, 98.050

■ 32, 0.993, 285.717

■ 28, 33.675, 97.200

■ 32, 5.202, 286.578

■ 28, 36.363, 96.404

■ 33, 9.390, 287.447

■ 28, 37.007, 96.233

■ 33, 13.551,
288.285

■ 34, 17.685,
289.087

■ 34, 21.788,
289.854

Harmonies

Complementary

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



30, 15.851, 101.820



21, 16.899, 290.060

Rectangle

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



30, 15.851, 101.820



30, 15.851, 151.820



30, 15.851, 281.820



30, 15.851, 331.820

Sweetspot

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



30, 15.852, 101.824



40, 5.778, 104.362



23, 13.769, 13.513



20, 3.830, 104.310



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, 15.852, 101.824



39, 23.450, 100.940



30, 18.322, 123.147



15, 2.409, 104.618



38, 46.044, 95.880



82, 82.936, 95.326

Inverse Universe

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



21, 16.899, 290.060



26, 25.523, 291.584



21, 19.470, 306.899



14, 2.445, 286.317



11, 62.389, 303.737



30, 118.167, 305.046

Previews

White Background



This preview shows how the CIELCh color 30, 15.851, 101.820 looks on a white background.

Color Contrast Check

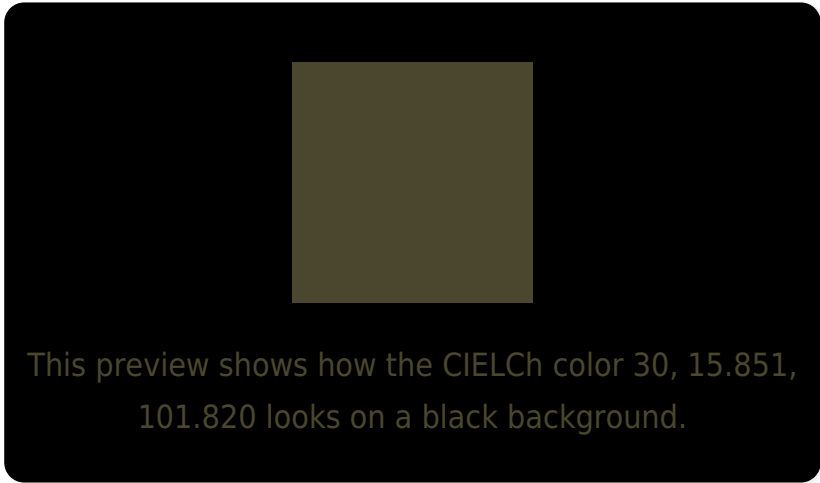
Large Text (above 18pt) WCAG AA ✓ Pass

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

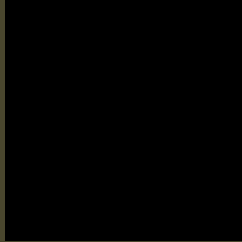
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 15.851, 101.820

Background



This preview shows how black text looks on a background with the CIELCh color 30, 15.851, 101.820.

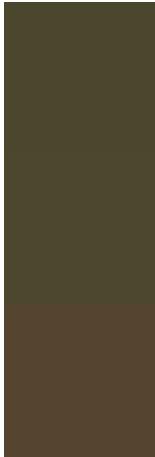


This preview shows how white text looks on a background with the CIELCh color 30, 15.851, 101.820.

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, 15.851, 101.820

Protanopia

30, 16.070, 96.541

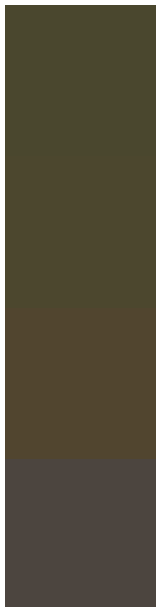
Deuteranopia

30, 15.974, 75.538



Tritanopia
30, 5.116, 341.575

Trichromacy



Original Color
30, 15.851, 101.820

Protanomaly
30, 15.980, 98.288

Deuteranomaly
30, 15.260, 84.518

Tritanomaly
30, 5.015, 69.311

Monochromacy



Original Color
30, 15.851, 101.820

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 5.761, 104.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 15.851, 101.820 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(74, 71, 46)` looks like.

```
.text, #text, p{  
    color:rgb(74, 71, 46)  
}
```

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(74, 71, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 71, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 15.851, 101.820 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(74, 71, 46) }
```

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

```
.border{ border-color:rgb(74, 71, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 71, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 71, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 71, 46);  
box-shadow:4px 4px 4px 4px rgb(74, 71, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 15.851, 101.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 71, 46) }
```

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

```
.background{ background-color: rgb(74, 71,  
46) }
```

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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