

Converting Colors

CIELCh(30, 14.593, 105.376)

Have a look what the booklet for
CIELCh(30, 14.593, 105.376)
contains.

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Color

CIELCh(30, 14.521, 105.512)

Conversions

Conversions Part 1

Format	Color
Hex	494831
RGB	73, 72, 49
RGB Percent	29%, 28%, 19%
CMY	0.7146, 0.7185, 0.8086
CMYK	0.00, 0.01, 0.33, 0.71
HSL	58°, 20%, 24%
HSV	58°, 33%, 29%
XYZ	5.5856, 6.2359, 3.7929
YIQ	69.6770, 7.9790, -6.9410

Conversions

Conversions Part 2

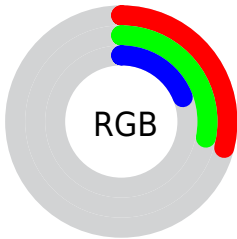
Format	Color
R_{YB}	50, 73, 49
Decimal	4802609
CIE Lab	30.00, -3.88, 13.99
CIE LCh	30, 14.521, 105.512
Yxy	6.2359, 0.3577, 0.3994
Android (android.graphics.Color)	4282992689 (0xFF494831)
YUV	69.6770, -10.1938, 2.9143
Hunter-Lab	24.9718, -3.7748, 8.4748

Details

The CIELCh color **30, 14.521, 105.512** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 15.502, 292.179**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 14.525, 104.844**, and **10, 14.976, 105.964** is the 20% darker color. If you saturate the color by 10%, you get **30, 18.806, 104.622**, and if you desaturate by 10%, it is **30, 10.154, 106.418**.

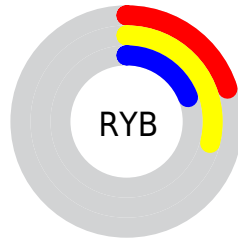
Distribution



Red (29%)

Green (28%)

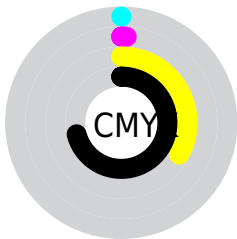
Blue (19%)



Red (20%)

Yellow (29%)

Blue (19%)

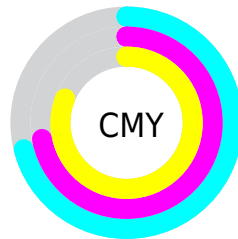


Cyan (0%)

Magenta (1%)

Yellow (33%)

Black (71%)



Cyan (71%)


Magenta (72%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 14.521, 105.512 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, 14.521, 105.512 by changing the saturation by 10% instead.


 30, 14.521,
105.512


 30, 14.521,
105.512

 100, 14.521,
105.512


 20, 14.521,
105.512


 50, 14.521,
105.512


 10, 14.521,
105.512

 60, 14.521,
105.512

 0, 14.521, 105.512

 70, 14.521,
105.512

 80, 14.521,
105.512

 90, 14.521,
105.512

■ 30, 14.521,
105.512

■ 30, 14.521,
105.512

■ 30, 18.806,
104.622

■ 30, 10.154,
106.418

■ 30, 22.950,
103.753

■ 31, 5.740, 107.317

■ 29, 26.866,
102.925

■ 31, 1.306, 108.184

■ 29, 30.432,
102.160

■ 31, 3.131, 289.098

■ 29, 33.483,
101.481

■ 32, 11.975,
290.754

■ 29, 36.095,
100.877

■ 32, 16.369,
291.539

■ 29, 38.082,
100.457

■ 33, 20.737,
292.291

■ 33, 25.077,

293.007

Harmonies

Complementary

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



30, 14.521, 105.512



22, 15.502, 292.179

Rectangle

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



30, 14.521, 105.512



30, 14.521, 155.512



30, 14.521, 285.512



30, 14.521, 335.512

Sweetspot

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



30, 14.522, 105.516



40, 5.495, 107.546



23, 11.698, 18.018



20, 3.781, 107.482



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, 14.522, 105.516



39, 21.740, 104.748



29, 16.012, 125.885



14, 2.430, 107.706



39, 47.204, 100.326



85, 86.045, 100.129

Inverse Universe

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



22, 15.502, 292.179



26, 23.707, 293.466



22, 16.764, 308.836



12, 2.472, 289.282



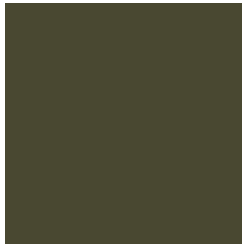
9, 64.645, 305.263



29, 120.823, 305.901

Previews

White Background



This preview shows how the CIELCh color 30, 14.521, 105.512 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 CIE LCh color 30, 14.521, 105.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

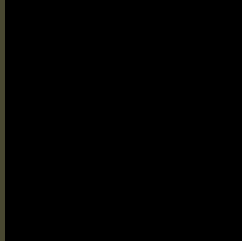
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 14.521, 105.512

Background



This preview shows how black text looks on a background with the CIELCh color 30, 14.521, 105.512.

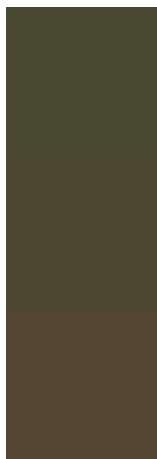


This preview shows how white text looks on a background with the CIELCh color 30, 14.521, 105.512.

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, 14.521, 105.512

Protanopia

30, 14.755, 97.849

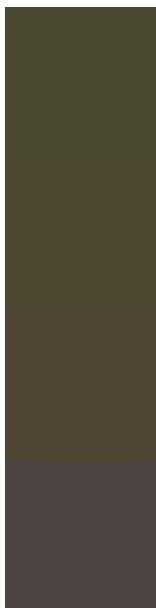
Deuteranopia

30, 14.045, 73.787



Tritanopia
30, 4.452, 334.234

Trichromacy



Original Color
30, 14.521, 105.512

Protanomaly
30, 14.678, 99.742

Deuteranomaly
30, 13.295, 83.910

Tritanomaly
30, 3.916, 73.914

Monochromacy



Original Color
30, 14.521, 105.512

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.110, 109.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 14.521, 105.512 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(73, 72, 49)` looks like.

```
.text, #text, p{  
    color:rgb(73, 72, 49)  
}
```

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(73, 72, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 72, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 14.521, 105.512 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(73, 72, 49) }
```

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

```
.border{ border-color:rgb(73, 72, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 72, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 72, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 72, 49);  
box-shadow:4px 4px 4px 4px rgb(73, 72, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 14.521, 105.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 72, 49) }
```

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

```
.background{ background-color: rgb(73, 72,  
49) }
```

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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