

Converting Colors

CIELCh(28, 15.636, 106.862)

Have a look what the booklet for
CIELCh(28, 15.636, 106.862)
contains.

CIELCh(28, 15.301, 105.278)	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(28, 15.301, 105.278)

Conversions

Conversions Part 1

Format	Color
Hex	44432B
RGB	68, 67, 43
RGB Percent	27%, 26%, 17%
CMY	0.7324, 0.7363, 0.8305
CMYK	0.00, 0.01, 0.37, 0.73
HSL	58°, 22%, 22%
HSV	58°, 37%, 27%
XYZ	4.8632, 5.4574, 3.1048
YIQ	64.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

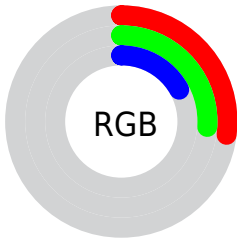
Format	Color
RYB	44, 68, 43
Decimal	4473643
CIELab	28.00, -4.03, 14.76
CIElCh	28, 15.301, 105.278
Yxy	5.4574, 0.3622, 0.4065
Android (android.graphics.Color)	4282663723 (0xFF44432B)
YUV	64.5630, -10.6306, 3.0142
Hunter-Lab	23.3610, -3.7221, 8.4728

Details

The CIELCh color **28, 15.301, 105.278** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **19, 16.468, 292.714**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 15.209, 104.802**, and **8, 12.168, 105.026** is the 20% darker color. If you saturate the color by 10%, you get **28, 19.330, 104.405**, and if you desaturate by 10%, it is **28, 11.179, 106.172**.

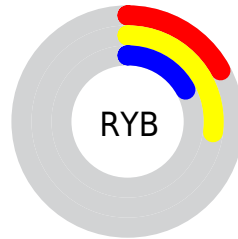
Distribution



Red (27%)

Green (26%)

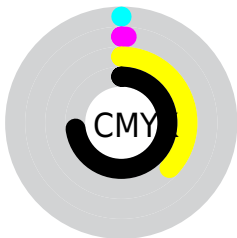
Blue (17%)



Red (17%)

Yellow (27%)

Blue (17%)

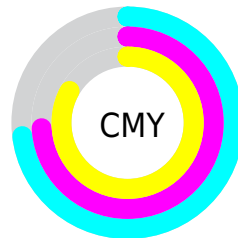


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (73%)



Cyan (73%)


Magenta (74%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 15.301, 105.278 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 28, 15.301, 105.278 by changing the saturation by 10% instead.

 28, 15.301,
105.278


 28, 15.301,
105.278

 100, 15.301,
105.278


 18, 15.301,
105.278


 48, 15.301,
105.278


 8, 15.301, 105.278

 58, 15.301,
105.278

 0, 15.301, 105.278

 68, 15.301,
105.278

 78, 15.301,
105.278

 88, 15.301,
105.278

 98, 15.301,

105.278

■ 28, 15.301,
105.278

■ 28, 15.301,
105.278

■ 28, 19.330,
104.405

■ 28, 11.179,
106.172

■ 28, 23.203,
103.558

■ 28, 7.002, 107.062

■ 27, 26.831,
102.758

■ 29, 2.799, 107.939

■ 29, 1.413, 288.848

■ 27, 30.087,
102.027

■ 29, 5.621, 289.675

■ 27, 32.818,
101.386

■ 30, 9.818, 290.492

■ 30, 13.997,
291.281

■ 27, 35.450,
100.799

■ 27, 36.335,
100.621

■ 30, 18.154,
292.038

■ 31, 22.285,
292.761

Harmonies

Complementary

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



28, 15.301, 105.278



19, 16.468, 292.714

Rectangle

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



28, 15.301, 105.278



28, 15.301, 155.278



28, 15.301, 285.278



28, 15.301, 335.278

Sweetspot

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



28, 15.302, 105.282



38, 5.781, 107.521



21, 12.453, 18.420



19, 3.918, 107.473



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 15.302, 105.282



37, 22.797, 104.476



27, 16.858, 125.738



13, 2.283, 107.782



38, 46.401, 100.421



84, 85.403, 100.225

Inverse Universe

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



19, 16.468, 292.714



23, 25.124, 294.143



20, 17.741, 309.012



11, 2.322, 289.322



9, 63.492, 305.268



28, 119.832, 305.909

Previews

White Background



This preview shows how the CIE LCh color 28, 15.301, 105.278 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 28, 15.301, 105.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

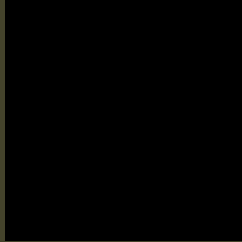
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 15.301, 105.278

Background



This preview shows how black text looks on a background with the CIELCh color 28, 15.301, 105.278.

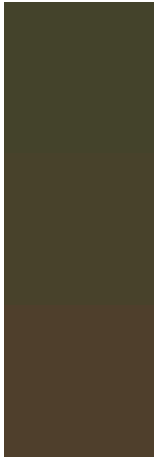


This preview shows how white text looks on a background with the CIELCh color 28, 15.301, 105.278.

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

28, 15.301, 105.278

Protanopia

28, 15.019, 95.731

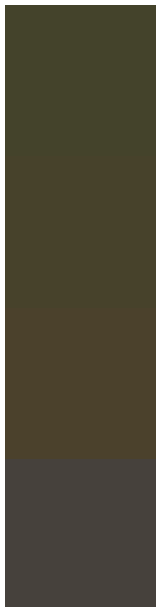
Deuteranopia

28, 14.801, 74.696



Tritanopia
28, 4.505, 334.269

Trichromacy



Original Color
28, 15.301, 105.278

Protanomaly
28, 14.921, 97.617

Deuteranomaly
28, 14.423, 87.172

Tritanomaly
28, 3.968, 73.829

Monochromacy



Original Color
28, 15.301, 105.278

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 5.803, 109.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 15.301, 105.278 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(68, 67, 43)` looks like.

```
.text, #text, p{  
    color:rgb(68, 67, 43)  
}
```

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(68, 67, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 67, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 15.301, 105.278 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(68, 67, 43) }
```

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

```
.border{ border-color:rgb(68, 67, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 67, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 67, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 67, 43);  
box-shadow:4px 4px 4px 4px rgb(68, 67, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 15.301, 105.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 67, 43) }
```

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

```
.background{ background-color: rgb(68, 67,  
43) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor