

Converting Colors

CIELCh(28, 14.808, 104.217)

Have a look what the booklet for
CIELCh(28, 14.808, 104.217)
contains.

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Color

CIELCh(28, 14.703, 103.406)

Conversions

Conversions Part 1

Format	Color
Hex	45432C
RGB	69, 67, 44
RGB Percent	27%, 26%, 17%
CMY	0.7295, 0.7373, 0.8275
CMYK	0.00, 0.03, 0.36, 0.73
HSL	55°, 22%, 22%
HSV	55°, 36%, 27%
XYZ	4.9124, 5.4574, 3.1751
YIQ	64.9760, 8.5750, -6.7290

Conversions

Conversions Part 2

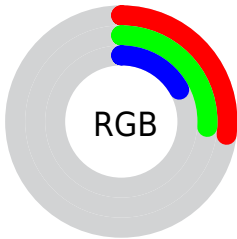
Format	Color
R_{YB}	46, 69, 44
Decimal	4539180
CIE Lab	28.00, -3.41, 14.30
CIE LCh	28, 14.703, 103.406
Yxy	5.4574, 0.3627, 0.4029
Android (android.graphics.Color)	4282729260 (0xFF45432C)
YUV	64.9760, -10.3412, 3.5290
Hunter-Lab	23.3610, -3.3467, 8.2943

Details

The CIELCh color **28, 14.703, 103.406** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 15.699, 290.999**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 14.663, 103.050**, and **8, 12.225, 102.335** is the 20% darker color. If you saturate the color by 10%, you get **28, 18.649, 102.481**, and if you desaturate by 10%, it is **28, 10.681, 104.344**.

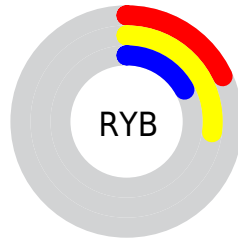
Distribution



Red (27%)

Green (26%)

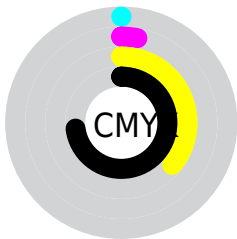
Blue (17%)



Red (18%)

Yellow (27%)

Blue (17%)

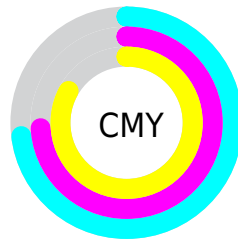


Cyan (0%)

Magenta (3%)

Yellow (36%)

Black (73%)



Cyan (73%)

Magenta (74%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 14.703, 103.406 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, 14.703, 103.406 by changing the saturation by 10% instead.

 28, 14.703,
103.406

 28, 14.703,
103.406

 100, 14.703,
103.406

 18, 14.703,
103.406


 48, 14.703,
103.406

 8, 14.703, 103.406

 58, 14.703,
103.406

 0, 14.703, 103.406

 68, 14.703,
103.406

 78, 14.703,
103.406

 88, 14.703,
103.406

 98, 14.703,

103.406

■ 28, 14.703,
103.406

■ 28, 14.703,
103.406

■ 28, 18.649,
102.481

■ 28, 10.681,
104.344

■ 27, 22.460,
101.569

■ 29, 6.619, 105.272

■ 27, 26.050,
100.690

■ 29, 2.541, 106.178

■ 29, 1.537, 287.122

■ 27, 29.295, 99.860

■ 30, 5.604, 287.973

■ 27, 32.032, 99.095

■ 30, 9.655, 288.812

■ 26, 34.605, 98.401

■ 31, 13.684,
289.621

■ 26, 35.576, 98.167

■ 31, 17.688,
290.396

■ 32, 21.665,
291.137

Harmonies

Complementary

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



28, 14.703, 103.406



20, 15.699, 290.999

Rectangle

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



28, 14.703, 103.406



28, 14.703, 153.406



28, 14.703, 283.406



28, 14.703, 333.406

Sweetspot

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



28, 14.704, 103.410



37, 5.552, 105.711



21, 12.381, 15.821



19, 3.763, 105.662



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, 14.704, 103.410



36, 21.504, 102.622



28, 16.687, 124.507



14, 2.336, 105.964



38, 46.022, 97.806



83, 83.748, 97.400

Inverse Universe

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



20, 15.699, 290.999



24, 23.421, 292.341



20, 17.612, 307.890



13, 2.373, 287.592



10, 62.556, 304.330



29, 118.941, 305.465

Previews

White Background



This preview shows how the CIELCh color 28, 14.703, 103.406 looks on a white background.

Color Contrast Check

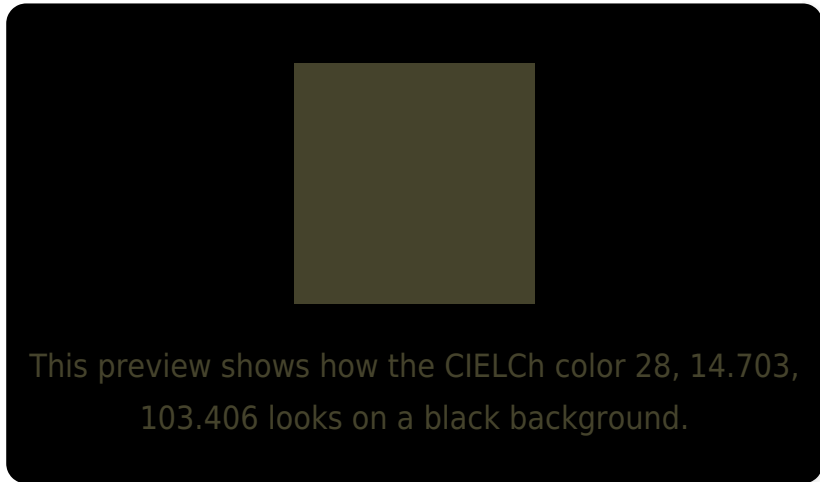
Large Text (above 18pt) WCAG AA ✓ Pass

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

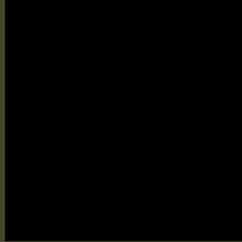
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

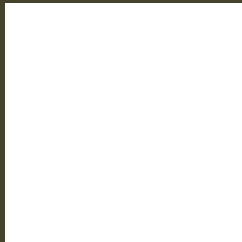
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 14.703, 103.406

Background



This preview shows how black text looks on a background with the CIELCh color 28, 14.703, 103.406.

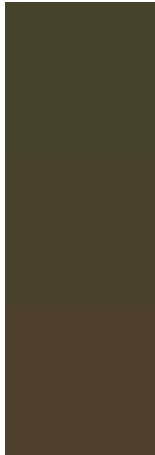


This preview shows how white text looks on a background with the CIELCh color 28, 14.703, 103.406.

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, 14.703, 103.406

Protanopia

28, 14.403, 95.402

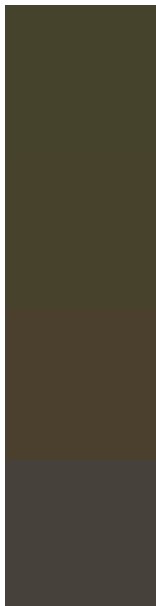
Deuteranopia

28, 14.251, 73.524



Tritanopia
28, 4.825, 338.181

Trichromacy



Original Color
28, 14.703, 103.406

Protanomaly
28, 14.302, 97.360

Deuteranomaly
28, 13.470, 83.647

Tritanomaly
28, 4.260, 68.712

Monochromacy



Original Color
28, 14.703, 103.406

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, 14.703, 103.406 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(69, 67, 44)` looks like.

```
.text, #text, p{  
    color:rgb(69, 67, 44)  
}
```

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(69, 67, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 67, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 14.703, 103.406 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(69, 67, 44) }
```

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

```
.border{ border-color:rgb(69, 67, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 67, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 67, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 67, 44);  
box-shadow:4px 4px 4px 4px rgb(69, 67, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 14.703, 103.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 67, 44) }
```

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

```
.background{ background-color: rgb(69, 67,  
44) }
```

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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