

Converting Colors

CIELCh(28, 7.588, 70.797)

Have a look what the booklet for
CIELCh(28, 7.588, 70.797) contains.

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Color

CIELCh(28, 7.555, 69.753)

Conversions

Conversions Part 1

Format	Color
Hex	4A4037
RGB	74, 64, 55
RGB Percent	29%, 25%, 22%
CMY	0.7083, 0.7476, 0.7829
CMYK	0.00, 0.13, 0.26, 0.71
HSL	28°, 15%, 25%
HSV	28°, 26%, 29%
XYZ	5.4046, 5.4574, 4.4273
YIQ	65.9640, 8.8490, -0.6790

Conversions

Conversions Part 2

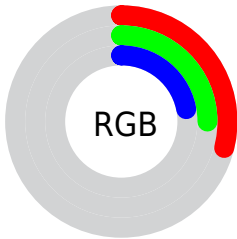
Format	Color
R_{YB}	74, 72, 55
Decimal	4866103
CIE Lab	28.00, 2.61, 7.09
CIE LCh	28, 7.555, 69.753
Yxy	5.4574, 0.3535, 0.3569
Android (android.graphics.Color)	4283056183 (0xFF4A4037)
YUV	65.9640, -5.4053, 7.0476
Hunter-Lab	23.3610, 0.4141, 5.1162

Details

The CIELCh color **28, 7.555, 69.753** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 7.032, 255.832**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 7.522, 70.817**, and **8, 7.632, 73.990** is the 20% darker color. If you saturate the color by 10%, you get **27, 10.759, 68.691**, and if you desaturate by 10%, it is **29, 4.495, 70.821**.

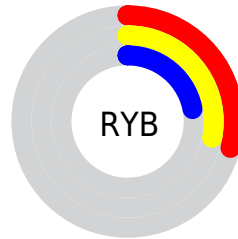
Distribution



 Red (29%)

 Green (25%)

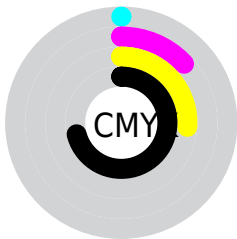
 Blue (22%)



 Red (29%)

 Yellow (28%)

 Blue (22%)

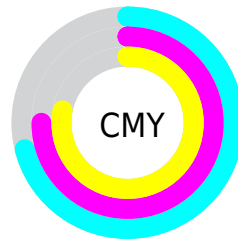


 Cyan (0%)

 Magenta (13%)

 Yellow (26%)

 Black (71%)



 Cyan (71%)

 Magenta (75%)

 Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 7.555, 69.753 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, 7.555, 69.753 by changing the saturation by 10% instead.

 28, 7.555, 69.753  28, 7.555, 69.753

 100, 7.555, 69.753  18, 7.555, 69.753

 48, 7.555, 69.753  8, 7.555, 69.753


 58, 7.555, 69.753  0, 7.555, 69.753

 68, 7.555, 69.753

 78, 7.555, 69.753

 88, 7.555, 69.753

 98, 7.555, 69.753

 28, 7.555, 69.753  28, 7.555, 69.753

 27, 10.759, 68.691  29, 4.495, 70.821

■ 25, 14.110, 67.617

■ 31, 1.571, 71.808

■ 24, 17.600, 66.541

■ 32, 1.228, 253.136

■ 23, 21.202, 65.453

■ 34, 3.913, 254.058

■ 21, 24.852, 64.319

■ 35, 6.497, 255.042

■ 20, 28.072, 62.703

■ 37, 8.989, 256.007

■ 19, 30.658, 60.635

■ 38, 11.400,
256.944

■ 19, 31.807, 59.853

■ 40, 13.738,
257.849

■ 41, 16.011,
258.719

Harmonies

Complementary

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



28, 7.555, 69.753



27, 7.032, 255.832

Rectangle

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



28, 7.555, 69.753



28, 7.555, 119.753



28, 7.555, 249.753



28, 7.555, 299.753

Sweetspot

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



28, 7.555, 69.763



40, 2.827, 71.559



26, 10.828, 343.863



19, 1.986, 71.470



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 7.555, 69.763



36, 11.581, 69.054



31, 11.599, 106.536



14, 1.623, 71.521



27, 42.784, 60.266



60, 79.892, 57.905

Inverse Universe

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



27, 7.032, 255.832



34, 10.555, 256.918



24, 12.194, 291.533



14, 1.590, 253.568



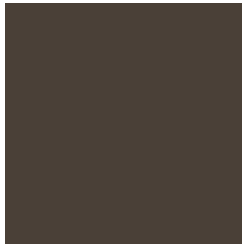
22, 33.162, 278.477



51, 64.093, 282.065

Previews

White Background



This preview shows how the CIELCh color 28, 7.555, 69.753 looks on a white background.

Color Contrast Check

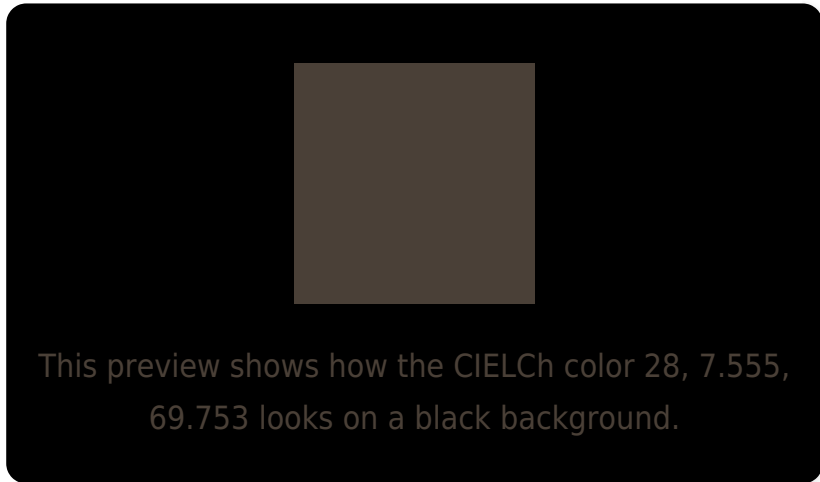
Large Text (above 18pt) WCAG AA ✓ Pass

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

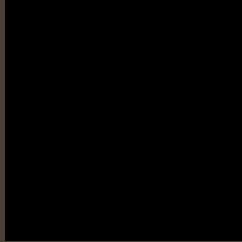
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 7.555, 69.753

Background



This preview shows how black text looks on a background with the CIELCh color 28, 7.555, 69.753.

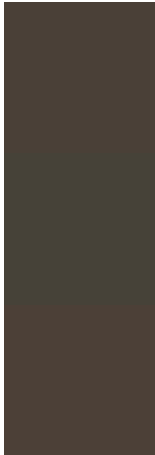


This preview shows how white text looks on a background with the CIELCh color 28, 7.555, 69.753.

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, 7.555, 69.753

Protanopia

28, 6.709, 92.558

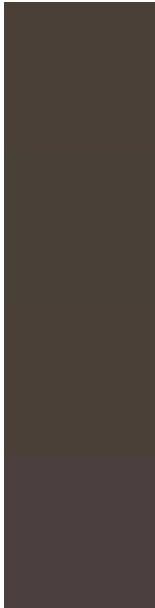
Deuteranopia

28, 8.220, 64.579



Tritanopia
28, 6.683, 351.802

Trichromacy



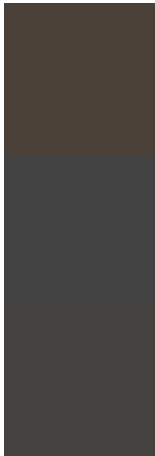
Original Color
28, 7.555, 69.753

Protanomaly
28, 6.695, 79.311

Deuteranomaly
28, 7.879, 67.057

Tritanomaly
28, 5.528, 20.330

Monochromacy



Original Color
28, 7.555, 69.753

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.657, 66.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 7.555, 69.753 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, 64, 55)` looks like.

```
.text, #text, p{  
    color:rgb(74, 64, 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(74, 64, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 64, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 7.555, 69.753 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, 64, 55) }
```

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

```
.border{ border-color:rgb(74, 64, 55) }
```

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

Here you see how a box with a 4 pixel rgb(74, 64, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 64, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 64, 55);  
box-shadow:4px 4px 4px 4px rgb(74, 64, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 7.555, 69.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 64, 55) }
```

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

```
.background{ background-color: rgb(74, 64,  
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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