

Converting Colors

CIELCh(28, 2.129, 84.540)

Have a look what the booklet for
CIELCh(28, 2.129, 84.540) contains.

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Color

CIELCh(28, 2.129, 84.540)

Conversions

Conversions Part 1

Format	Color
Hex	44423F
RGB	68, 66, 63
RGB Percent	27%, 26%, 25%
CMY	0.7340, 0.7418, 0.7536
CMYK	0.00, 0.03, 0.07, 0.73
HSL	36°, 4%, 26%
HSV	36°, 7%, 27%
XYZ	5.2037, 5.4574, 5.4579
YIQ	66.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

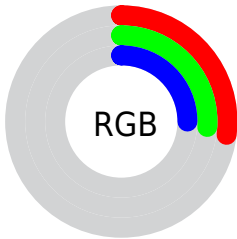
Format	Color
RYB	66, 68, 63
Decimal	4473407
CIELab	28.00, 0.20, 2.12
CIElCh	28, 2.129, 84.540
Yxy	5.4574, 0.3228, 0.3386
Android (android.graphics.Color)	4282663487 (0xFF44423F)
YUV	66.2560, -1.6052, 1.5295
Hunter-Lab	23.3610, -1.1206, 2.5006

Details

The CIELCh color **28, 2.129, 84.540** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 2.122, 266.357**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 1.933, 84.806**, and **8, 1.755, 73.288** is the 20% darker color. If you saturate the color by 10%, you get **27, 5.092, 83.463**, and if you desaturate by 10%, it is **29, 0.756, 265.912**.

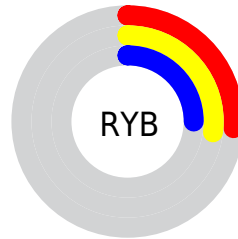
Distribution



Red (27%)

Green (26%)

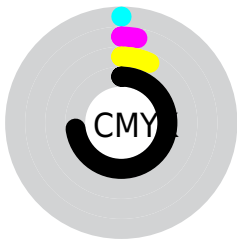
Blue (25%)



Red (26%)

Yellow (27%)

Blue (25%)

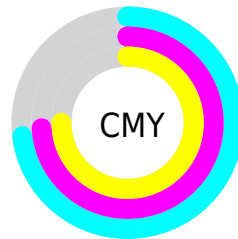


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (73%)



Cyan (73%)

Magenta (74%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.129, 84.540 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, 2.129, 84.540 by changing the saturation by 10% instead.

■ 28, 2.129, 84.540

■ 28, 2.129, 84.540

■ 100, 2.129, 84.540

■ 18, 2.129, 84.540

■ 48, 2.129, 84.540

■ 8, 2.129, 84.540

■ 58, 2.129, 84.540

■ 0, 2.129, 84.540

■ 68, 2.129, 84.540

■ 78, 2.129, 84.540

■ 88, 2.129, 84.540

■ 98, 2.129, 84.540

■ 28, 2.129, 84.540

■ 28, 2.129, 84.540

■ 27, 5.092, 83.463

■ 29, 0.756, 265.912

■ 26, 8.135, 82.302	■ 30, 3.569, 266.842
■ 25, 11.255, 81.108	■ 31, 6.315, 267.856
■ 24, 14.445, 79.884	■ 32, 8.999, 268.840
■ 23, 17.681, 78.627	■ 33, 11.626, 269.787
■ 22, 20.919, 77.324	■ 35, 14.202, 270.693
■ 21, 24.064, 75.940	■ 36, 16.731, 271.559
■ 20, 26.495, 74.131	■ 37, 19.217, 272.385
■ 19, 28.626, 72.343	■ 38, 21.664, 273.172

Harmonies

Complementary

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



28, 2.129, 84.540



27, 2.122, 266.357

Rectangle

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



28, 2.129, 84.540



28, 2.129, 134.540



28, 2.129, 264.540



28, 2.129, 314.540

Sweetspot

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



28, 2.129, 84.566



38, 0.718, 84.992



27, 2.606, 349.918



19, 0.411, 84.989



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, 2.129, 84.566



37, 3.277, 84.352



29, 3.220, 113.581



12, 1.580, 84.449



28, 40.368, 71.527



64, 75.239, 68.956

Inverse Universe

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



27, 2.122, 266.357



36, 3.257, 266.592



27, 3.273, 294.657



12, 1.572, 266.485



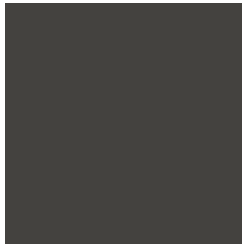
17, 40.284, 289.747



42, 80.462, 292.962

Previews

White Background



This preview shows how the CIELCh color 28, 2.129, 84.540 looks on a white background.

Color Contrast Check

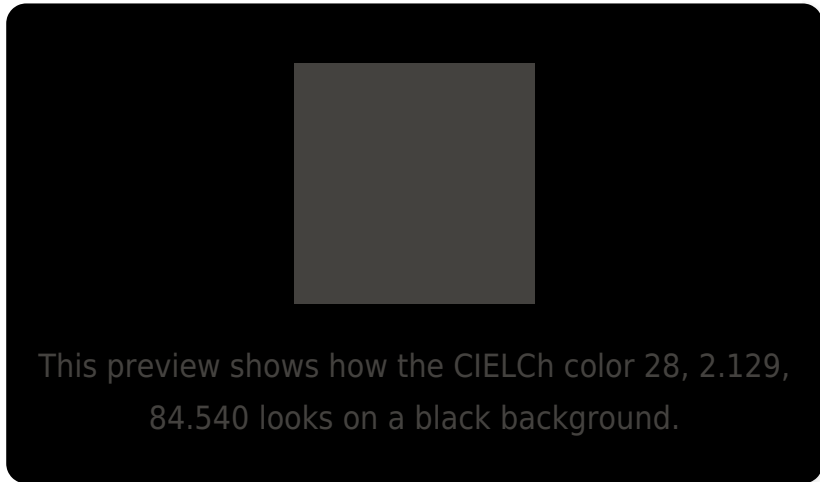
Large Text (above 18pt) WCAG AA ✓ Pass

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

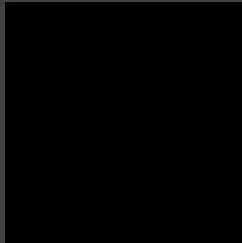
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

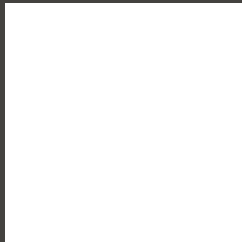
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 2.129, 84.540

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.129, 84.540.



This preview shows how white text looks on a background with the CIELCh color 28, 2.129, 84.540.

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, 2.129, 84.540

Protanopia

28, 2.129, 84.540

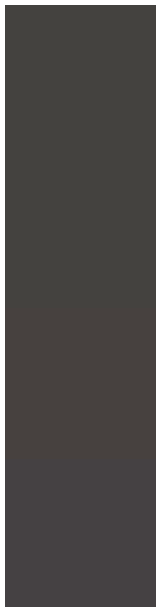
Deuteranopia

28, 4.181, 28.886



Tritanopia
28, 3.704, 319.063

Trichromacy



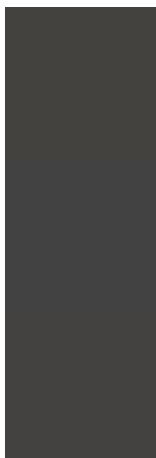
Original Color
28, 2.129, 84.540

Protanomaly
28, 2.129, 84.540

Deuteranomaly
28, 3.027, 44.912

Tritanomaly
28, 2.216, 343.986

Monochromacy



Original Color
28, 2.129, 84.540

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 0.779, 74.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.129, 84.540 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, 66, 63)` looks like.

```
.text, #text, p{  
    color:rgb(68, 66, 63)  
}
```

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, 66, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 66, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.129, 84.540 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, 66, 63) }
```

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

```
.border{ border-color:rgb(68, 66, 63) }
```

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

Here you see how a box with a 4 pixel rgb(68, 66, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 66, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 66, 63);  
box-shadow:4px 4px 4px 4px rgb(68, 66, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.129, 84.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 66, 63) }
```

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

```
.background{ background-color: rgb(68, 66,  
63) }
```

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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