

Converting Colors

CIELCh(28, 7.805, 96.731)

Have a look what the booklet for
CIELCh(28, 7.805, 96.731) contains.

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Color

CIELCh(28, 7.853, 98.181)

Conversions

Conversions Part 1

Format	Color
Hex	454236
RGB	69, 66, 54
RGB Percent	27%, 26%, 21%
CMY	0.7287, 0.7405, 0.7875
CMYK	0.00, 0.04, 0.22, 0.73
HSL	48°, 12%, 24%
HSV	48°, 22%, 27%
XYZ	5.0959, 5.4574, 4.2964
YIQ	65.5290, 5.6400, -3.0960

Conversions

Conversions Part 2

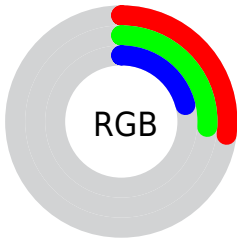
Format	Color
R _Y B	58, 69, 54
Decimal	4538934
CIE Lab	28.00, -1.12, 7.77
CIE LCh	28, 7.853, 98.181
Yxy	5.4574, 0.3432, 0.3675
Android (android.graphics.Color)	4282729014 (0xFF454236)
YUV	65.5290, -5.6838, 3.0441
Hunter-Lab	23.3610, -1.9442, 5.4486

Details

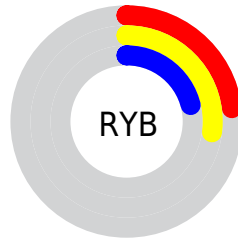
The CIELCh color **28, 7.853, 98.181** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 8.022, 282.899**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 7.727, 99.665**, and **8, 7.502, 97.789** is the 20% darker color. If you saturate the color by 10%, you get **27, 11.499, 97.131**, and if you desaturate by 10%, it is **29, 4.218, 99.215**.

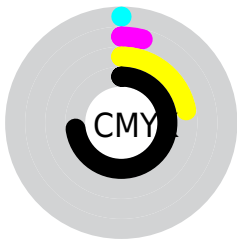
Distribution



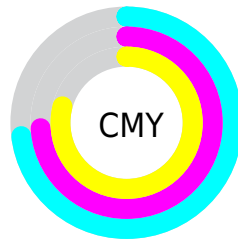
- Red (27%)
- Green (26%)
- Blue (21%)



- Red (23%)
- Yellow (27%)
- Blue (21%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (73%)



- Cyan (73%)
- Magenta (74%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 7.853, 98.181 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, 7.853, 98.181 by changing the saturation by 10% instead.

■ 28, 7.853, 98.181 ■ 28, 7.853, 98.181

■ 100, 7.853, 98.181 ■ 18, 7.853, 98.181

■ 48, 7.853, 98.181 ■ 8, 7.853, 98.181

■ 58, 7.853, 98.181 ■ 0, 7.853, 98.181

■ 68, 7.853, 98.181

■ 78, 7.853, 98.181

■ 88, 7.853, 98.181

■ 98, 7.853, 98.181

■ 28, 7.853, 98.181 ■ 28, 7.853, 98.181

■ 27, 11.499, 97.131 ■ 29, 4.218, 99.215

■ 27, 15.133, 96.054

■ 29, 0.604, 100.117

■ 26, 18.720, 94.961

■ 30, 2.980, 281.238

■ 26, 22.202, 93.857

■ 31, 6.532, 282.164

■ 25, 25.484, 92.742

■ 31, 10.051,
283.062

■ 25, 28.426, 91.611

■ 32, 13.535,
283.923

■ 24, 30.841, 90.493

■ 24, 32.782, 89.676

■ 33, 16.985,
284.747

■ 33, 20.402,
285.532

■ 34, 23.787,
286.279

Harmonies

Complementary

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



28, 7.853, 98.181



24, 8.022, 282.899

Rectangle

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



28, 7.853, 98.181



28, 7.853, 148.181



28, 7.853, 278.181



28, 7.853, 328.181

Sweetspot

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



28, 7.854, 98.188



37, 3.113, 99.653



24, 7.284, 5.169



19, 2.040, 99.644



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, 7.854, 98.188



36, 11.646, 97.628



29, 9.836, 120.695



14, 2.060, 99.520



35, 43.063, 88.862



76, 78.156, 87.646

Inverse Universe

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



24, 8.022, 282.899



30, 11.962, 283.630



24, 10.207, 303.020



13, 2.081, 281.330



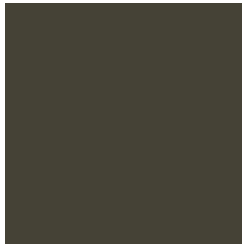
12, 55.604, 300.784



33, 108.388, 302.780

Previews

White Background



This preview shows how the CIELCh color 28, 7.853, 98.181 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 28, 7.853, 98.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

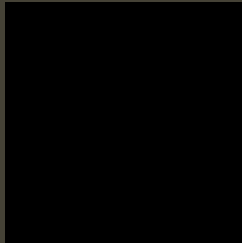
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

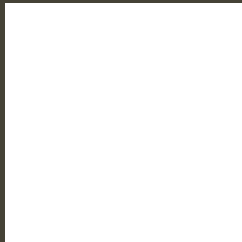
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 7.853, 98.181

Background



This preview shows how black text looks on a background with the CIELCh color 28, 7.853, 98.181.

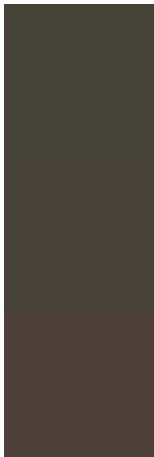


This preview shows how white text looks on a background with the CIELCh color 28, 7.853, 98.181.

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

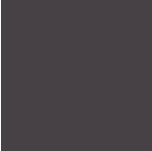
28, 7.853, 98.181

Protanopia

28, 7.954, 94.788

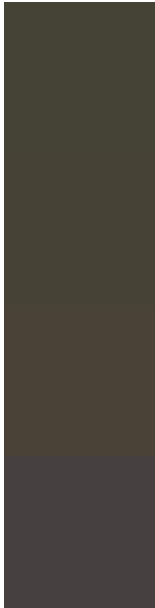
Deuteranopia

28, 8.220, 64.579



Tritanopia
28, 4.505, 334.269

Trichromacy



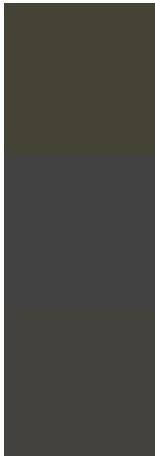
Original Color
28, 7.853, 98.181

Protanomaly
28, 7.954, 94.788

Deuteranomaly
28, 7.771, 75.292

Tritanomaly
28, 2.355, 35.545

Monochromacy



Original Color
28, 7.853, 98.181

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.615, 99.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 7.853, 98.181 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, 66, 54)` looks like.

```
.text, #text, p{  
    color:rgb(69, 66, 54)  
}
```

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, 66, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 66, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 7.853, 98.181 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, 66, 54) }
```

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

```
.border{ border-color:rgb(69, 66, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 66, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 66, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 66, 54);  
box-shadow:4px 4px 4px 4px rgb(69, 66, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 7.853, 98.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 66, 54) }
```

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

```
.background{ background-color: rgb(69, 66,  
54) }
```

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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