

Converting Colors

CIELCh(28, 9.489, 331.543)

Have a look what the booklet for
CIELCh(28, 9.489, 331.543) contains.

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Color

CIELCh(28, 9.417, 332.073)

Conversions

Conversions Part 1

Format	Color
Hex	4C3E49
RGB	76, 62, 73
RGB Percent	30%, 24%, 29%
CMY	0.7021, 0.7570, 0.7139
CMYK	0.00, 0.18, 0.04, 0.70
HSL	313°, 10%, 27%
HSV	313°, 18%, 30%
XYZ	5.9001, 5.4574, 7.0400
YIQ	67.4400, 4.8130, 6.3890

Conversions

Conversions Part 2

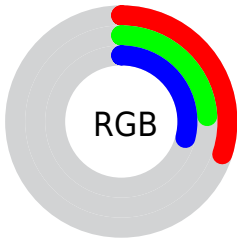
Format	Color
R_{YB}	76, 62, 73
Decimal	4996681
CIE _{Lab}	28.00, 8.32, -4.41
CIE _{LCh}	28, 9.417, 332.073
Yxy	5.4574, 0.3207, 0.2966
Android (android.graphics.Color)	4283186761 (0xFF4C3E49)
YUV	67.4400, 2.7411, 7.5071
Hunter-Lab	23.3610, 4.2008, -1.5146

Details

The CIELCh color **28, 9.417, 332.073** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 9.378, 149.900**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 9.318, 331.222**, and **8, 9.021, 334.217** is the 20% darker color. If you saturate the color by 10%, you get **26, 14.554, 332.684**, and if you desaturate by 10%, it is **30, 4.283, 331.472**.

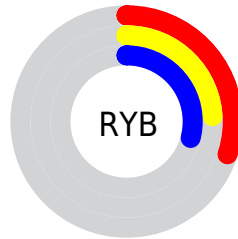
Distribution



 Red (30%)

 Green (24%)

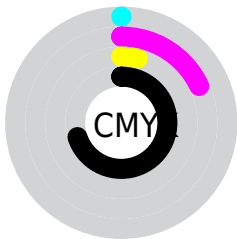
 Blue (29%)



 Red (30%)

 Yellow (24%)

 Blue (29%)

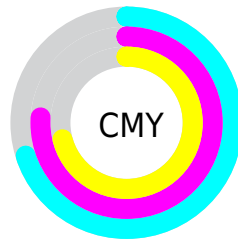


 Cyan (0%)

 Magenta (18%)

 Yellow (4%)

 Black (70%)



 Cyan (70%)

 Magenta (76%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 9.417, 332.073 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, 9.417, 332.073 by changing the saturation by 10% instead.

■ 28, 9.417, 332.073

■ 28, 9.417, 332.073

■ 100, 9.417,
332.073

■ 18, 9.417, 332.073

■ 48, 9.417, 332.073

■ 8, 9.417, 332.073

■ 58, 9.417, 332.073

■ 0, 9.417, 332.073

■ 68, 9.417, 332.073

■ 78, 9.417, 332.073

■ 88, 9.417, 332.073

■ 98, 9.417, 332.073

■ 28, 9.417, 332.073

■ 28, 9.417, 332.073

26, 14.554,
332.684

30, 4.283, 331.472

24, 19.615,
333.312

33, 0.788, 151.147

22, 24.484,
333.962

35, 5.762, 150.438

20, 29.012,
334.636

38, 10.617,
149.913

18, 33.021,
335.344

40, 15.344,
149.418

17, 36.318,
336.098

42, 19.938,
148.950

16, 38.749,
336.916

45, 24.402,
148.507

15, 40.997,
337.713

47, 28.739,
148.086

15, 41.374,

50, 32.955,
147.688

337.831

Harmonies

Complementary

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



28, 9.417, 332.073



31, 9.378, 149.900

Rectangle

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



28, 9.417, 332.073



28, 9.417, 22.073



28, 9.417, 152.073



28, 9.417, 202.073

Sweetspot

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



28, 9.416, 332.074



40, 3.806, 331.334



27, 9.233, 299.240



20, 2.546, 331.351



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 9.416, 332.074



36, 14.069, 332.341



28, 6.905, 357.584



14, 2.853, 331.486



22, 50.397, 338.321



52, 90.229, 339.227

Inverse Universe

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



28, 9.416, 332.074



36, 14.069, 332.341



31, 6.584, 174.432



14, 2.853, 331.486



22, 50.397, 338.321



52, 90.229, 339.227

Previews

White Background



This preview shows how the CIELCh color 28, 9.417, 332.073 looks on a white background.

Color Contrast Check

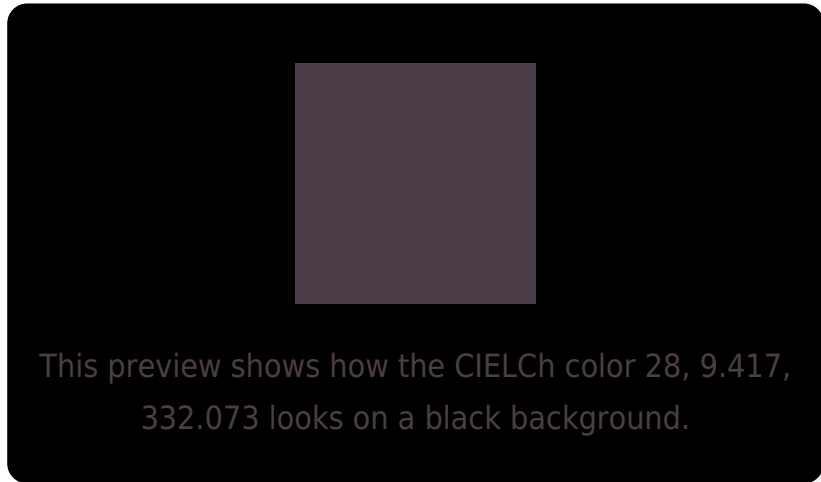
Large Text (above 18pt) WCAG AA ✓ Pass

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

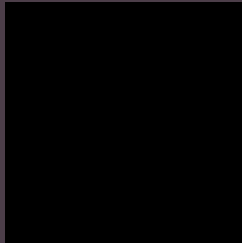
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 9.417, 332.073

Background



This preview shows how black text looks on a background with the CIELCh color 28, 9.417, 332.073.



This preview shows how white text looks on a background with the CIELCh color 28, 9.417, 332.073.

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

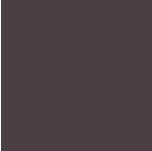
28, 9.417, 332.073

Protanopia

28, 5.833, 287.166

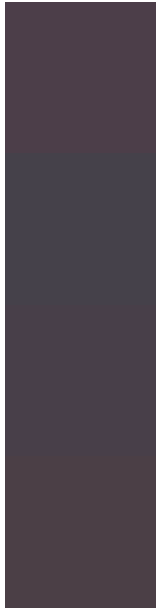
Deuteranopia

28, 6.418, 315.116



Tritanopia
28, 6.290, 349.693

Trichromacy



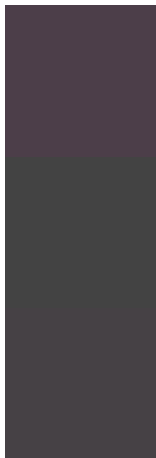
Original Color
28, 9.417, 332.073

Protanomaly
28, 6.102, 307.619

Deuteranomaly
28, 7.607, 322.294

Tritanomaly
28, 7.009, 340.521

Monochromacy



Original Color
28, 9.417, 332.073

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 3.423, 330.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 9.417, 332.073 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(76, 62, 73)` looks like.

```
.text, #text, p{  
    color:rgb(76, 62, 73)  
}
```

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(76, 62, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 62, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 9.417, 332.073 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(76, 62, 73) }
```

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

```
.border{ border-color:rgb(76, 62, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 62, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 62, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 62, 73);  
box-shadow:4px 4px 4px 4px rgb(76, 62, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 9.417, 332.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 62, 73) }
```

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

```
.background{ background-color: rgb(76, 62,  
73) }
```

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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