

Converting Colors

CIELCh(28, 9.831, 247.760)

Have a look what the booklet for
CIELCh(28, 9.831, 247.760) contains.

CIELCh(28, 9.969, 250.373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(28, 9.969, 250.373)

Conversions

Conversions Part 1

Format	Color
Hex	334450
RGB	51, 68, 80
RGB Percent	20%, 27%, 31%
CMY	0.7990, 0.7324, 0.6853
CMYK	0.36, 0.15, 0.00, 0.69
HSL	205°, 22%, 26%
HSV	205°, 36%, 31%
XYZ	4.9171, 5.4574, 8.4330
YIQ	64.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

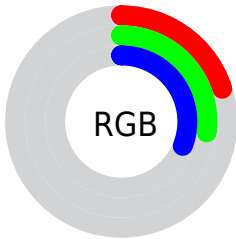
Format	Color
R_{YB}	51, 62, 80
Decimal	3359824
CIE Lab	28.00, -3.35, -9.39
CIE LCh	28, 9.969, 250.373
Yxy	5.4574, 0.2614, 0.2902
Android (android.graphics.Color)	4281549904 (0xFF334450)
YUV	64.2850, 7.7475, -11.6509
Hunter-Lab	23.3610, -3.3102, -5.0501

Details

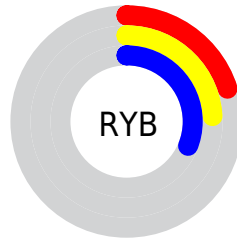
The CIELCh color **28, 9.969, 250.373** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 11.493, 62.134**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 9.994, 249.324**, and **8, 10.241, 253.469** is the 20% darker color. If you saturate the color by 10%, you get **26, 12.509, 252.320**, and if you desaturate by 10%, it is **30, 7.320, 248.741**.

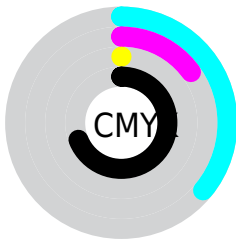
Distribution



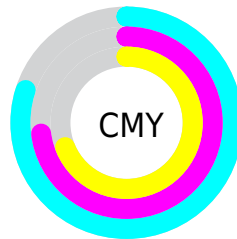
- Red (20%)
- Green (27%)
- Blue (31%)



- Red (20%)
- Yellow (24%)
- Blue (31%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (69%)



- Cyan (80%)
- Magenta (73%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 9.969, 250.373 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, 9.969, 250.373 by changing the saturation by 10% instead.

■ 28, 9.969, 250.373

■ 28, 9.969, 250.373

■ 100, 9.969,
250.373

■ 18, 9.969, 250.373

■ 48, 9.969, 250.373

■ 8, 9.969, 250.373

■ 58, 9.969, 250.373

■ 0, 9.969, 250.373

■ 68, 9.969, 250.373

■ 78, 9.969, 250.373

■ 88, 9.969, 250.373

■ 98, 9.969, 250.373

■ 28, 9.969, 250.373

■ 28, 9.969, 250.373

■ 26, 12.509,
252.320

■ 30, 7.320, 248.741

■ 25, 14.929,
254.644

■ 31, 4.579, 247.386

■ 33, 1.764, 246.310

■ 23, 17.224,
257.396

■ 35, 1.111, 65.004

■ 22, 19.401,
260.619

■ 37, 4.030, 64.322

■ 38, 6.980, 63.639

■ 20, 21.484,
264.324

■ 40, 9.950, 63.040

■ 19, 23.579,
268.071

■ 42, 12.931, 62.518

■ 44, 15.915, 62.063

■ 18, 24.423,
269.352

Harmonies

Complementary

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



28, 9.969, 250.373



28, 11.493, 62.134

Rectangle

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



28, 9.969, 250.373



28, 9.969, 300.373



28, 9.969, 70.373



28, 9.969, 120.373

Sweetspot

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



28, 9.969, 250.370



42, 3.904, 246.833



31, 16.677, 155.727



21, 2.643, 246.912



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 9.969, 250.370



35, 14.547, 251.983



23, 17.380, 290.225



16, 1.621, 246.553



25, 30.144, 271.317



56, 57.130, 275.011

Inverse Universe

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



25, 16.906, 342.073



31, 24.937, 342.870



33, 16.315, 102.315



15, 2.615, 339.844



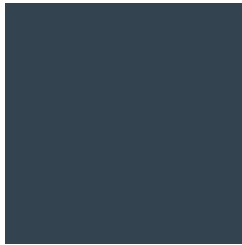
21, 45.528, 352.265



51, 80.700, 354.635

Previews

White Background



This preview shows how the CIELCh color 28, 9.969, 250.373 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, 9.969, 250.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

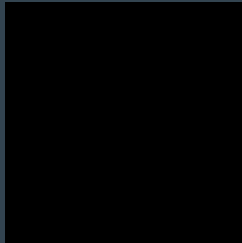
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

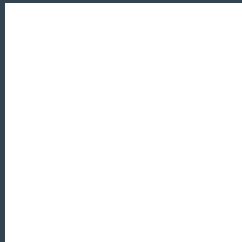
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 9.969, 250.373

Background



This preview shows how black text looks on a background with the CIELCh color 28, 9.969, 250.373.

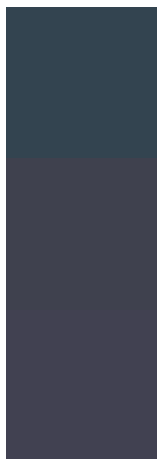


This preview shows how white text looks on a background with the CIELCh color 28, 9.969, 250.373.

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

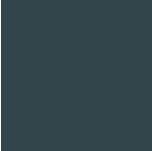
28, 9.969, 250.373

Protanopia

28, 8.454, 286.241

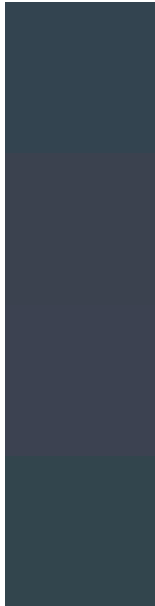
Deuteranopia

28, 10.369, 292.168



Tritanopia
28, 8.362, 226.252

Trichromacy



Original Color

28, 9.969, 250.373

Protanomaly

28, 8.802, 273.144

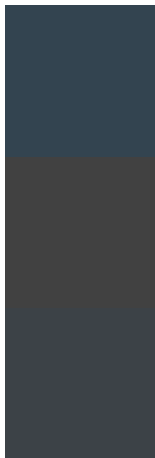
Deuteranomaly

28, 9.936, 278.107

Tritanomaly

28, 8.909, 234.246

Monochromacy



Original Color

28, 9.969, 250.373

Achromatopsia

28, 0.004, 296.813

Achromatomaly

28, 4.073, 252.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 9.969, 250.373 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(51, 68, 80)` looks like.

```
.text, #text, p{  
    color:rgb(51, 68, 80)  
}
```

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(51, 68, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 68, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 9.969, 250.373 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(51, 68, 80) }
```

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

```
.border{ border-color:rgb(51, 68, 80) }
```

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

Here you see how a box with a 4 pixel rgb(51, 68, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 68, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 68, 80);  
box-shadow:4px 4px 4px 4px rgb(51, 68, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 9.969, 250.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 68, 80) }
```

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

```
.background{ background-color: rgb(51, 68,  
80) }
```

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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