

Converting Colors

CIELCh(28, 7.934, 281.717)

Have a look what the booklet for
CIELCh(28, 7.934, 281.717) contains.

CIELCh(28, 7.900, 279.713)	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, 7.900, 279.713)

Conversions

Conversions Part 1

Format	Color
Hex	3E424E
RGB	62, 66, 78
RGB Percent	24%, 26%, 31%
CMY	0.7572, 0.7415, 0.6944
CMYK	0.21, 0.15, 0.00, 0.69
HSL	225°, 11%, 27%
HSV	225°, 21%, 31%
XYZ	5.2972, 5.4574, 7.9662
YIQ	66.1720, -6.2360, 2.8840

Conversions

Conversions Part 2

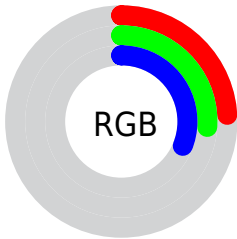
Format	Color
RYB	62, 65, 78
Decimal	4080206
CIELab	28.00, 1.33, -7.79
CIELCh	28, 7.900, 279.713
Yxy	5.4574, 0.2830, 0.2915
Android (android.graphics.Color)	4282270286 (0xFF3E424E)
YUV	66.1720, 5.8312, -3.6588
Hunter-Lab	23.3610, -0.4062, -3.8653

Details

The CIELCh color **28, 7.900, 279.713** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 7.802, 94.998**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 7.784, 279.835**, and **8, 8.417, 281.140** is the 20% darker color. If you saturate the color by 10%, you get **25, 11.882, 281.192**, and if you desaturate by 10%, it is **31, 4.008, 278.430**.

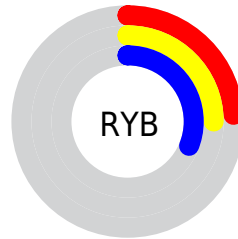
Distribution



 Red (24%)

 Green (26%)

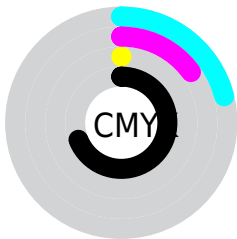
 Blue (31%)




 Red (24%)

 Yellow (25%)

 Blue (31%)

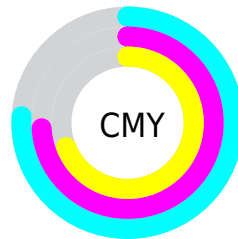


 Cyan (21%)

 Magenta (15%)

 Yellow (0%)

 Black (69%)



 Cyan (76%)

 Magenta (74%)

 Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 7.900, 279.713 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, 7.900, 279.713 by changing the saturation by 10% instead.

■ 28, 7.900, 279.713

■ 28, 7.900, 279.713

■ 100, 7.900,
279.713

■ 18, 7.900, 279.713

■ 48, 7.900, 279.713

■ 8, 7.900, 279.713

■ 58, 7.900, 279.713

■ 0, 7.900, 279.713

■ 68, 7.900, 279.713

■ 78, 7.900, 279.713

■ 88, 7.900, 279.713

■ 98, 7.900, 279.713

■ 28, 7.900, 279.713

■ 28, 7.900, 279.713

■ 25, 11.882,
281.192

■ 31, 4.008, 278.430

■ 23, 15.964,
282.901

■ 33, 0.204, 277.746

■ 35, 3.518, 96.269

■ 21, 20.155,
284.864

■ 38, 7.161, 95.418

■ 18, 24.466,
287.100

■ 40, 10.728, 94.659

■ 43, 14.220, 93.982

■ 16, 28.907,
289.610

■ 45, 17.639, 93.378

■ 13, 33.470,
292.359

■ 48, 20.988, 92.836

■ 50, 24.268, 92.347

■ 11, 38.117,
295.222

■ 9, 42.557, 297.527

Harmonies

Complementary

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



28, 7.900, 279.713



31, 7.802, 94.998

Rectangle

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



28, 7.900, 279.713



28, 7.900, 329.713



28, 7.900, 99.713



28, 7.900, 149.713

Sweetspot

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



28, 7.899, 279.710



41, 2.843, 277.943



32, 7.322, 176.593



20, 1.862, 277.970



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, 7.899, 279.710



35, 12.094, 280.484



27, 10.576, 300.600



14, 2.088, 278.210



14, 53.245, 298.807



35, 103.202, 301.020

Inverse Universe

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



28, 7.726, 1.374



35, 11.875, 1.978



32, 10.177, 118.080



14, 2.019, 0.169



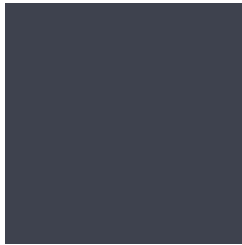
20, 44.950, 21.948



48, 83.692, 26.334

Previews

White Background



This preview shows how the CIELCh color 28, 7.900, 279.713 looks on a white background.

Color Contrast Check

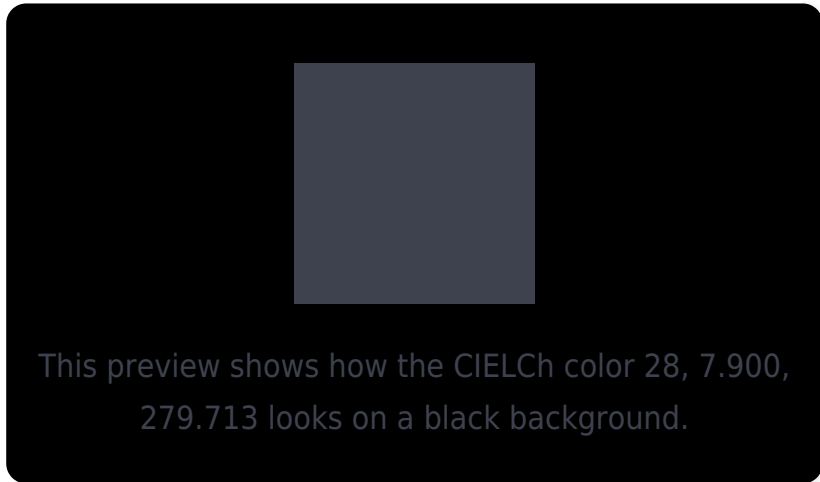
Large Text (above 18pt) WCAG AA ✓ Pass

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

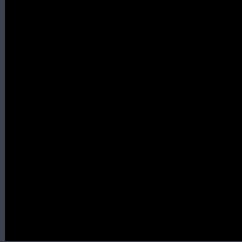
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

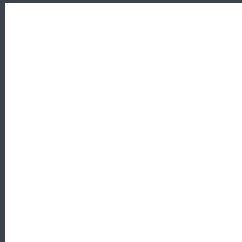
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 7.900, 279.713

Background



This preview shows how black text looks on a background with the CIELCh color 28, 7.900, 279.713.

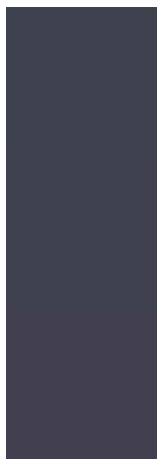


This preview shows how white text looks on a background with the CIELCh color 28, 7.900, 279.713.

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

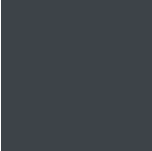
28, 7.900, 279.713

Protanopia

28, 8.432, 289.011

Deuteranopia

28, 9.147, 297.137



Tritanopia
28, 4.064, 252.138

Trichromacy



Original Color
28, 7.900, 279.713

Protanomaly
28, 8.454, 286.241

Deuteranomaly
28, 8.429, 291.808

Tritanomaly
28, 5.121, 261.703

Monochromacy



Original Color
28, 7.900, 279.713

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.620, 281.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 7.900, 279.713 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(62, 66, 78)` looks like.

```
.text, #text, p{  
    color:rgb(62, 66, 78)  
}
```

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(62, 66, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 66, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 7.900, 279.713 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(62, 66, 78) }
```

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

```
.border{ border-color:rgb(62, 66, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 66, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 66, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 66, 78);  
box-shadow:4px 4px 4px 4px rgb(62, 66, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 7.900, 279.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 66, 78) }
```

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

```
.background{ background-color: rgb(62, 66,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor