

Converting Colors

CIELCh(28, 8.506, 336.810)

Have a look what the booklet for
CIELCh(28, 8.506, 336.810) contains.

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Color

CIELCh(28, 8.516, 337.900)

Conversions

Conversions Part 1

Format	Color
Hex	4C3E47
RGB	76, 62, 71
RGB Percent	30%, 24%, 28%
CMY	0.7014, 0.7564, 0.7211
CMYK	0.00, 0.18, 0.07, 0.70
HSL	321°, 10%, 27%
HSV	321°, 18%, 30%
XYZ	5.8618, 5.4574, 6.7273
YIQ	67.2120, 5.4550, 5.7670

Conversions

Conversions Part 2

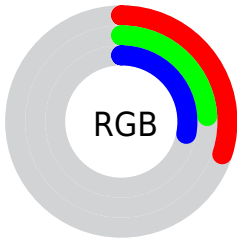
Format	Color
RYB	76, 62, 71
Decimal	4996679
CIELab	28.00, 7.89, -3.20
CIELCh	28, 8.516, 337.900
Yxy	5.4574, 0.3248, 0.3024
Android (android.graphics.Color)	4283186759 (0xFF4C3E47)
YUV	67.2120, 1.8675, 7.7071
Hunter-Lab	23.3610, 3.9077, -0.7210




Details

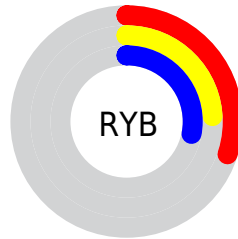
The CIELCh color **28, 8.516, 337.900** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 8.430, 155.436**, and the grayscale version is **29, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 8.086, 339.476**, and **8, 8.519, 337.742** is the 20% darker color. If you saturate the color by 10%, you get **26, 13.195, 338.643**, and if you desaturate by 10%, it is **30, 3.858, 337.192**.

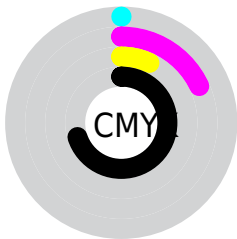
Distribution







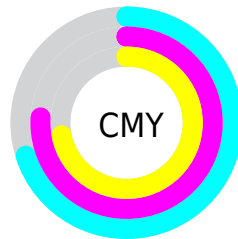
-  Red (30%)
-  Green (24%)
-  Blue (28%)






-  Red (30%)
-  Yellow (24%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (18%)
-  Yellow (7%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (76%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 8.516, 337.900 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, 8.516, 337.900 by changing the saturation by 10% instead.

■ 28, 8.516, 337.900

■ 28, 8.516, 337.900

■ 100, 8.516,
337.900

■ 18, 8.516, 337.900

■ 48, 8.516, 337.900

■ 8, 8.516, 337.900

■ 58, 8.516, 337.900

■ 0, 8.516, 337.900

■ 68, 8.516, 337.900

■ 78, 8.516, 337.900

■ 88, 8.516, 337.900

■ 98, 8.516, 337.900

■ 28, 8.516, 337.900

■ 28, 8.516, 337.900

26, 13.195,
338.643

30, 3.858, 337.192

24, 17.825,
339.439

33, 0.727, 156.843

35, 5.210, 156.028

21, 22.300,
340.307

38, 9.576, 155.446

20, 26.478,
341.266

40, 13.819,
154.906

18, 30.186,
342.349

43, 17.936,
154.399

17, 33.235,
343.597

45, 21.931,
153.922

15, 35.464,
345.066

48, 25.810,
153.472

14, 37.552,
346.517

50, 29.579,
153.047

14, 37.916,

346.734

Harmonies

Complementary

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



28, 8.516, 337.900



31, 8.430, 155.436

Rectangle

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



28, 8.516, 337.900



28, 8.516, 27.900



28, 8.516, 157.900



28, 8.516, 207.900

Sweetspot

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



28, 8.515, 337.902



40, 3.435, 337.033



27, 9.390, 304.609



20, 2.298, 337.054



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, 8.515, 337.902



36, 12.734, 338.225



28, 6.558, 8.681



14, 2.576, 337.211



21, 46.034, 347.771



51, 82.196, 349.721

Inverse Universe

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



28, 8.515, 337.902



36, 12.734, 338.225



31, 6.076, 185.771



14, 2.576, 337.211



21, 46.034, 347.771



51, 82.196, 349.721

Previews

White Background



This preview shows how the CIELCh color 28, 8.516, 337.900 looks on a white background.

Color Contrast Check

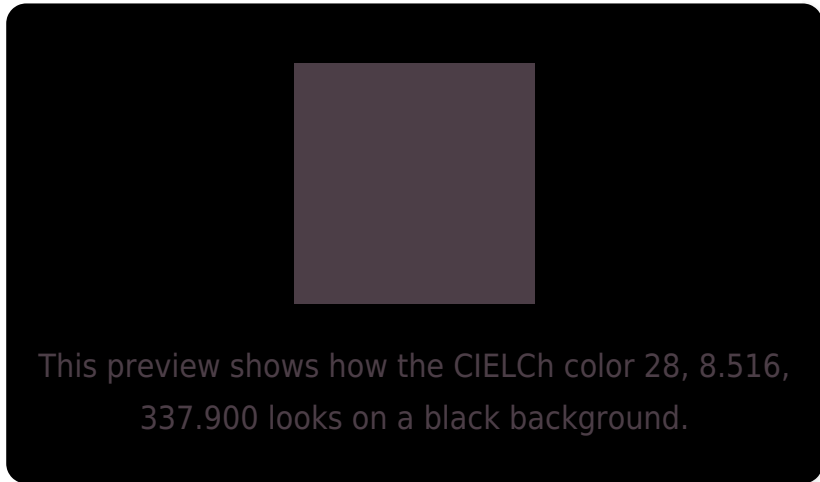
Large Text (above 18pt) WCAG AA ✓ Pass

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

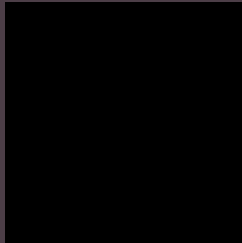
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 8.516, 337.900

Background



This preview shows how black text looks on a background with the CIELCh color 28, 8.516, 337.900.

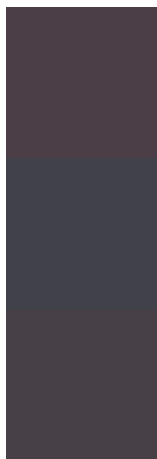


This preview shows how white text looks on a background with the CIELCh color 28, 8.516, 337.900.

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, 8.516, 337.900

Protanopia

28, 4.545, 285.681

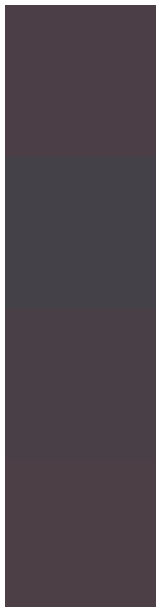
Deuteranopia

28, 5.503, 324.900



Tritanopia
28, 6.683, 351.802

Trichromacy



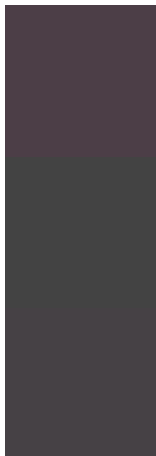
Original Color
28, 8.516, 337.900

Protanomaly
28, 4.878, 311.877

Deuteranomaly
28, 6.825, 331.271

Tritanomaly
28, 6.997, 347.122

Monochromacy



Original Color
28, 8.516, 337.900

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, 8.516, 337.900 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(76, 62, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 62, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 8.516, 337.900 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, 71) }
```

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

```
.border{ border-color:rgb(76, 62, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 62, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 62, 71);  
box-shadow:4px 4px 4px 4px rgb(76, 62, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 8.516, 337.900 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, 71) }
```

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

```
.background{ background-color: rgb(76, 62,  
71) }
```

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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