

Converting Colors

CIELCh(28, 6.482, 83.010)

Have a look what the booklet for
CIELCh(28, 6.482, 83.010) contains.

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Color

CIELCh(28, 6.468, 82.985)

Conversions

Conversions Part 1

Format	Color
Hex	474138
RGB	71, 65, 56
RGB Percent	28%, 25%, 22%
CMY	0.7203, 0.7439, 0.7792
CMYK	0.00, 0.08, 0.21, 0.72
HSL	36°, 12%, 25%
HSV	36°, 21%, 28%
XYZ	5.2522, 5.4574, 4.5577
YIQ	65.7680, 6.4650, -1.5270

Conversions

Conversions Part 2

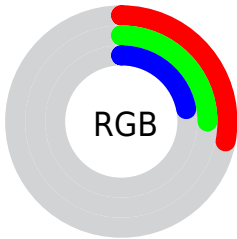
Format	Color
RYB	66, 71, 56
Decimal	4669752
CIELab	28.00, 0.79, 6.42
CIELCh	28, 6.468, 82.985
Yxy	5.4574, 0.3440, 0.3575
Android (android.graphics.Color)	4282859832 (0xFF474138)
YUV	65.7680, -4.8156, 4.5885
Hunter-Lab	23.3610, -0.7504, 4.7853

Details

The CIELCh color $[28, 6.468, 82.985]$ is a dark color, and the websafe version is hex `333333`. A complement of this color would be $[26, 6.340, 268.143]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[48, 6.571, 82.581]$, and $[8, 6.610, 85.335]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 9.672, 81.810]$, and if you desaturate by 10%, it is $[29, 3.348, 84.136]$.

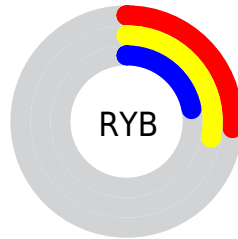
Distribution



Red (28%)

Green (25%)

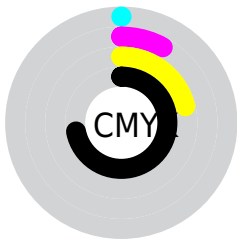
Blue (22%)



Red (26%)

Yellow (28%)

Blue (22%)

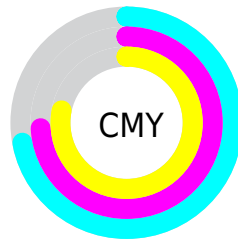


Cyan (0%)

Magenta (8%)

Yellow (21%)

Black (72%)



Cyan (72%)

Magenta (74%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 6.468, 82.985 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, 6.468, 82.985 by changing the saturation by 10% instead.

 28, 6.468, 82.985  28, 6.468, 82.985

 100, 6.468, 82.985  18, 6.468, 82.985

 48, 6.468, 82.985  8, 6.468, 82.985

 58, 6.468, 82.985  0, 6.468, 82.985

 68, 6.468, 82.985

 78, 6.468, 82.985

 88, 6.468, 82.985

 98, 6.468, 82.985

 28, 6.468, 82.985  28, 6.468, 82.985

 27, 9.672, 81.810  29, 3.348, 84.136

26, 12.956, 80.594

30, 0.310, 84.858

25, 16.305, 79.347

31, 2.649, 266.451

24, 19.688, 78.062

32, 5.535, 267.477

23, 23.042, 76.722

34, 8.355, 268.482

22, 26.217, 75.261

35, 11.112,
269.450

21, 28.630, 73.405

36, 13.814,
270.377

20, 30.684, 71.891

37, 16.465,
271.263

38, 19.070,
272.109

Harmonies

Complementary

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



28, 6.468, 82.985



26, 6.340, 268.143

Rectangle

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



28, 6.468, 82.985



28, 6.468, 132.985



28, 6.468, 262.985



28, 6.468, 312.985

Sweetspot

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



28, 6.468, 82.995



38, 2.225, 84.652



25, 7.906, 351.191



18, 1.455, 84.633



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, 6.468, 82.995



36, 9.536, 82.419



30, 9.569, 112.581



13, 1.684, 84.405



29, 41.211, 71.433



65, 75.889, 68.906

Inverse Universe

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



26, 6.340, 268.143



33, 9.295, 268.892



24, 9.985, 295.846



13, 1.675, 266.482



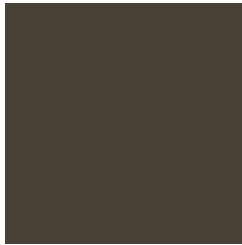
18, 41.145, 289.872



43, 81.168, 292.971

Previews

White Background



This preview shows how the CIELCh color 28, 6.468, 82.985 looks on a white background.

Color Contrast Check

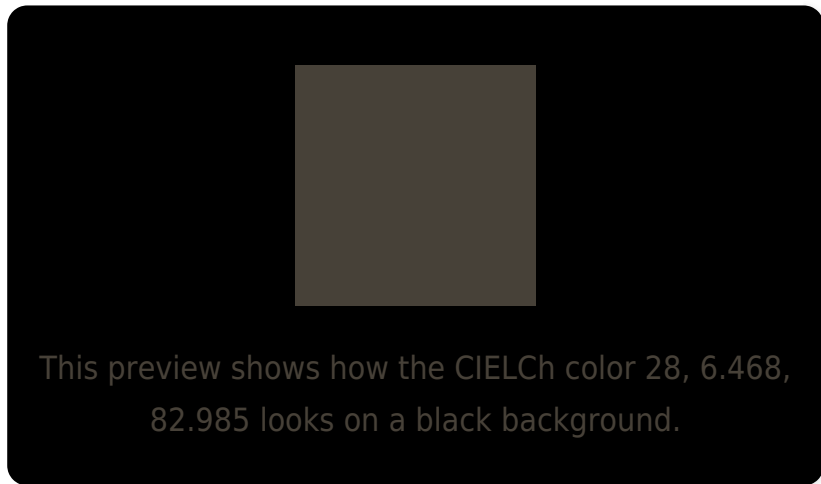
Large Text (above 18pt) WCAG AA ✓ Pass

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

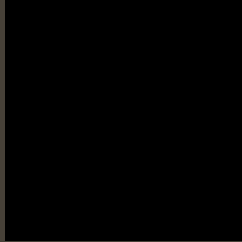
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 6.468, 82.985

Background



This preview shows how black text looks on a background with the CIELCh color 28, 6.468, 82.985.

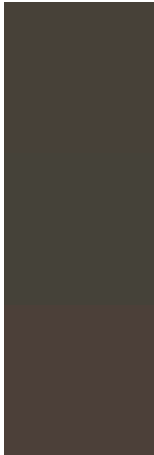


This preview shows how white text looks on a background with the CIELCh color 28, 6.468, 82.985.

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, 6.468, 82.985

Protanopia

28, 5.962, 95.386

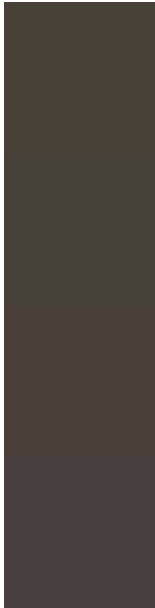
Deuteranopia

28, 7.309, 57.986



Tritanopia
28, 5.164, 341.617

Trichromacy



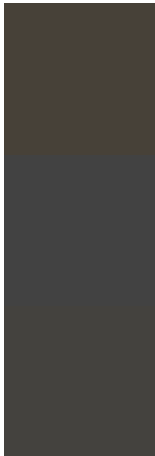
Original Color
28, 6.468, 82.985

Protanomaly
28, 6.091, 91.061

Deuteranomaly
28, 6.569, 63.131

Tritanomaly
28, 3.646, 19.968

Monochromacy



Original Color
28, 6.468, 82.985

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.729, 90.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 6.468, 82.985 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(71, 65, 56)` looks like.

```
.text, #text, p{  
    color:rgb(71, 65, 56)  
}
```

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(71, 65, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 65, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 6.468, 82.985 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(71, 65, 56) }
```

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

```
.border{ border-color:rgb(71, 65, 56) }
```

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

Here you see how a box with a 4 pixel rgb(71, 65, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 65, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 65, 56);  
box-shadow:4px 4px 4px 4px rgb(71, 65, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 6.468, 82.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 65, 56) }
```

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

```
.background{ background-color: rgb(71, 65,  
56) }
```

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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