

Converting Colors

CIELCh(28, 12.944, 309.501)

Have a look what the booklet for
CIELCh(28, 12.944, 309.501)
contains.

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Color

CIELCh(28, 13.069, 310.956)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 483E51 |
| RGB | 72, 62, 81 |
| RGB Percent | 28%, 24%, 32% |
| CMY | 0.7167, 0.7559, 0.6813 |
| CMYK | 0.11, 0.23, 0.00, 0.68 |
| HSL | 272°, 13%, 28% |
| HSV | 272°, 23%, 32% |
| XYZ | 5.9222, 5.4574, 8.5763 |
| YIQ | 67.1560, -0.1390, 8.0290 |

Conversions

Conversions Part 2

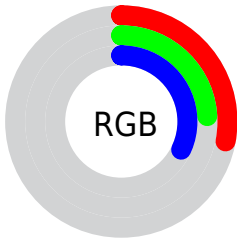
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 72, 62, 81 |
| Decimal | 4734545 |
| CIE Lab | 28.00, 8.57, -9.87 |
| CIE LCh | 28, 13.069, 310.956 |
| Yxy | 5.4574, 0.2968, 0.2735 |
| Android (android.graphics.Color) | 4282924625 (0xFF483E51) |
| YUV | 67.1560, 6.8251, 4.2482 |
| Hunter-Lab | 23.3610, 4.3691, -5.4137 |

Details

The CIELCh color **28, 13.069, 310.956** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 12.716, 129.030**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.613, 311.437**, and **8, 12.643, 310.747** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.853, 311.418**, and if you desaturate by 10%, it is **31, 7.393, 310.514**.

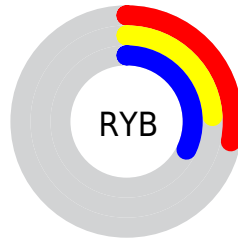
Distribution



Red (28%)

Green (24%)

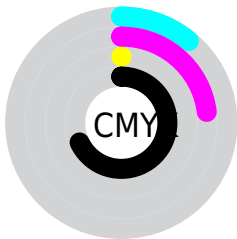
Blue (32%)



Red (28%)

Yellow (24%)

Blue (32%)

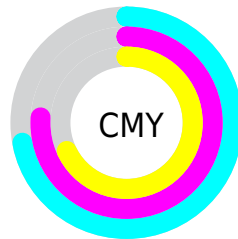


Cyan (11%)

Magenta (23%)

Yellow (0%)

Black (68%)



Cyan (72%)


Magenta (76%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 13.069, 310.956 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, 13.069, 310.956 by changing the saturation by 10% instead.

 28, 13.069,
310.956


 28, 13.069,
310.956

 100, 13.069,
310.956


 18, 13.069,
310.956


 48, 13.069,
310.956


 8, 13.069, 310.956

 58, 13.069,
310.956

 0, 13.069, 310.956

 68, 13.069,
310.956

 78, 13.069,
310.956

 88, 13.069,
310.956

 98, 13.069,

310.956

■ 28, 13.069,
310.956

■ 28, 13.069,
310.956

■ 25, 18.853,
311.418

■ 31, 7.393, 310.514

■ 23, 24.702,
311.889

■ 34, 1.853, 310.080

■ 20, 30.537,
312.349

■ 36, 3.542, 129.761

■ 17, 36.234,
312.764

■ 42, 13.883,
129.105

■ 15, 41.600,
313.087

■ 45, 18.834,
128.832

■ 13, 46.374,
313.252

■ 48, 23.647,
128.590

■ 11, 50.538,
313.288

■ 50, 28.327,
128.377

■ 10, 53.632,
313.488

■ 53, 32.881,
128.190

Harmonies

Complementary

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



28, 13.069, 310.956



33, 12.716, 129.030

Rectangle

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



28, 13.069, 310.956



28, 13.069, 0.956



28, 13.069, 130.956



28, 13.069, 180.956

Sweetspot

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



28, 13.068, 310.955



42, 4.723, 310.252



30, 7.206, 260.327



21, 3.095, 310.260



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, 13.068, 310.955



35, 19.381, 311.210



29, 14.509, 326.050



15, 3.078, 310.315



15, 64.089, 313.112



38, 115.707, 312.349

Inverse Universe

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



29, 10.255, 347.018



36, 15.176, 347.558



33, 14.499, 143.505



15, 2.421, 345.713



21, 44.008, 1.937



50, 78.636, 5.265

Previews

White Background



This preview shows how the CIELCh color 28, 13.069, 310.956 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 CIELCh color 28, 13.069, 310.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

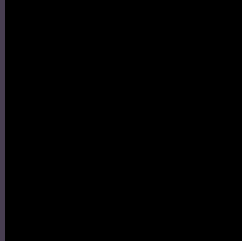
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 13.069, 310.956

Background



This preview shows how black text looks on a background with the CIELCh color 28, 13.069, 310.956.



This preview shows how white text looks on a background with the CIELCh color 28, 13.069, 310.956.

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, 13.069, 310.956

Protanopia

28, 12.340, 287.044

Deuteranopia

28, 10.369, 292.168



Tritanopia
28, 4.210, 329.816

Trichromacy



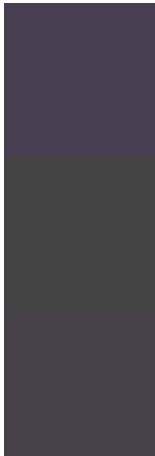
Original Color
28, 13.069, 310.956

Protanomaly
28, 12.372, 296.262

Deuteranomaly
28, 11.179, 300.712

Tritanomaly
28, 7.393, 319.339

Monochromacy



Original Color
28, 13.069, 310.956

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.878, 311.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 13.069, 310.956 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(72, 62, 81)` looks like.

```
.text, #text, p{  
    color:rgb(72, 62, 81)  
}
```

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(72, 62, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 62, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 13.069, 310.956 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(72, 62, 81) }
```

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

```
.border{ border-color:rgb(72, 62, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 62, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 62, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 62, 81);  
box-shadow:4px 4px 4px 4px rgb(72, 62, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 13.069, 310.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 62, 81) }
```

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

```
.background{ background-color: rgb(72, 62,  
81) }
```

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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