

Converting Colors

CIELCh(28, 9.082, 54.326)

Have a look what the booklet for
CIELCh(28, 9.082, 54.326) contains.

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Color

CIELCh(28, 8.939, 55.309)

Conversions

Conversions Part 1

Format	Color
Hex	4E3F37
RGB	78, 63, 55
RGB Percent	31%, 25%, 22%
CMY	0.6939, 0.7528, 0.7842
CMYK	0.00, 0.19, 0.29, 0.69
HSL	21°, 17%, 26%
HSV	21°, 29%, 31%
XYZ	5.6158, 5.4574, 4.3770
YIQ	66.5730, 11.5080, 0.6920

Conversions

Conversions Part 2

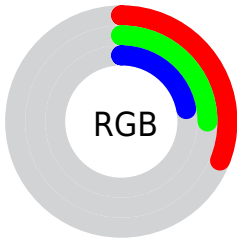
Format	Color
RYB	78, 67, 55
Decimal	5127991
CIELab	28.00, 5.09, 7.35
CIELCh	28, 8.939, 55.309
Yxy	5.4574, 0.3635, 0.3532
Android (android.graphics.Color)	4283318071 (0xFF4E3F37)
YUV	66.5730, -5.7055, 10.0215
Hunter-Lab	23.3610, 2.0282, 5.2441

Details

The CIELCh color **28, 8.939, 55.309** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 7.764, 240.594**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 8.678, 57.313**, and **8, 9.284, 56.644** is the 20% darker color. If you saturate the color by 10%, you get **26, 12.372, 54.676**, and if you desaturate by 10%, it is **30, 5.718, 56.003**.

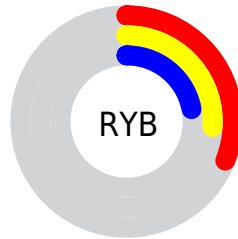
Distribution



Red (31%)

Green (25%)

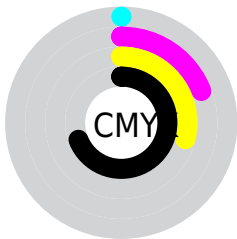
Blue (22%)



Red (31%)

Yellow (26%)

Blue (22%)

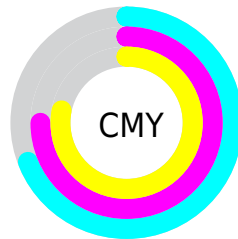


Cyan (0%)

Magenta (19%)

Yellow (29%)

Black (69%)



Cyan (69%)

Magenta (75%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 8.939, 55.309 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, 8.939, 55.309 by changing the saturation by 10% instead.

 28, 8.939, 55.309  28, 8.939, 55.309

 100, 8.939, 55.309  18, 8.939, 55.309

 48, 8.939, 55.309  8, 8.939, 55.309

 58, 8.939, 55.309  0, 8.939, 55.309

 68, 8.939, 55.309

 78, 8.939, 55.309

 88, 8.939, 55.309

 98, 8.939, 55.309

 28, 8.939, 55.309  28, 8.939, 55.309

 26, 12.372, 54.676  30, 5.718, 56.003

■ 25, 16.024, 54.092

■ 32, 2.694, 56.693

■ 23, 19.889, 53.574

■ 33, 0.148, 239.194

■ 22, 23.940, 53.111

■ 35, 2.827, 238.412

■ 20, 28.058, 52.598

■ 37, 5.360, 239.155

■ 19, 31.397, 50.974

■ 39, 7.762, 239.923

■ 18, 34.400, 49.400

■ 41, 10.049,
240.688

■ 18, 34.557, 49.333

■ 42, 12.234,
241.443

■ 44, 14.328,
242.182

Harmonies

Complementary

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



28, 8.939, 55.309



29, 7.764, 240.594

Rectangle

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



28, 8.939, 55.309



28, 8.939, 105.309



28, 8.939, 235.309



28, 8.939, 285.309

Sweetspot

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



28, 8.939, 55.318



41, 3.193, 56.702



26, 14.214, 337.646



20, 2.197, 56.647



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, 8.939, 55.318



36, 13.546, 54.874



31, 12.208, 99.327



14, 1.557, 56.748



24, 44.670, 50.616



55, 85.482, 49.427

Inverse Universe

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



29, 7.764, 240.594



37, 11.332, 241.585



25, 12.672, 285.909



14, 1.502, 238.328



26, 26.239, 261.338



59, 49.590, 265.288

Previews

White Background



This preview shows how the CIELCh color 28, 8.939, 55.309 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, 8.939, 55.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

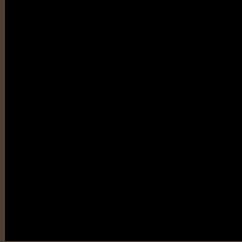
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 8.939, 55.309

Background



This preview shows how black text looks on a background with the CIELCh color 28, 8.939, 55.309.



This preview shows how white text looks on a background with the CIELCh color 28, 8.939, 55.309.

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

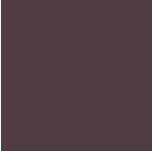
28, 8.939, 55.309

Protanopia

28, 6.091, 91.061

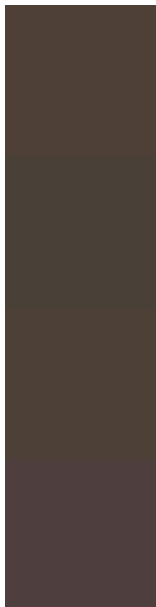
Deuteranopia

28, 8.578, 62.306



Tritanopia
28, 8.804, 359.628

Trichromacy



Original Color
28, 8.939, 55.309

Protanomaly
28, 6.950, 75.887

Deuteranomaly
28, 8.578, 62.306

Tritanomaly
28, 7.920, 20.783

Monochromacy



Original Color
28, 8.939, 55.309

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.986, 59.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 8.939, 55.309 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(78, 63, 55)` looks like.

```
.text, #text, p{  
    color:rgb(78, 63, 55)  
}
```

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(78, 63, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 63, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 8.939, 55.309 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(78, 63, 55) }
```

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

```
.border{ border-color:rgb(78, 63, 55) }
```

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

Here you see how a box with a 4 pixel rgb(78, 63, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 63, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 63, 55);  
box-shadow:4px 4px 4px 4px rgb(78, 63, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 8.939, 55.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 63, 55) }
```

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

```
.background{ background-color: rgb(78, 63,  
55) }
```

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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