

Converting Colors

CIE LCh(25, 4.255, 34.590)

Have a look what the booklet for
CIELCh(25, 4.255, 34.590) contains.

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Color

CIELCh(25, 4.271, 28.931)

Conversions

Conversions Part 1

Format	Color
Hex	423938
RGB	66, 57, 56
RGB Percent	26%, 22%, 22%
CMY	0.7399, 0.7752, 0.7792
CMYK	0.00, 0.14, 0.15, 0.74
HSL	6°, 8%, 24%
HSV	6°, 15%, 26%
XYZ	4.4688, 4.4155, 4.3983
YIQ	59.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

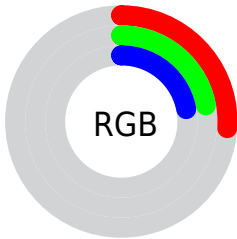
Format	Color
R _Y B	66, 57, 56
Decimal	4340024
CIE Lab	25.00, 3.74, 2.07
CIE LCh	25, 4.271, 28.931
Yxy	4.4155, 0.3364, 0.3324
Android (android.graphics.Color)	4282530104 (0xFF423938)
YUV	59.5770, -1.7635, 5.6330
Hunter-Lab	21.0130, 1.1880, 2.2988

Details

The CIELCh color **25, 4.271, 28.931** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 3.913, 208.479**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 4.237, 27.885**, and **5, 4.353, 25.815** is the 20% darker color. If you saturate the color by 10%, you get **23, 7.364, 29.365**, and if you desaturate by 10%, it is **27, 1.390, 28.545**.

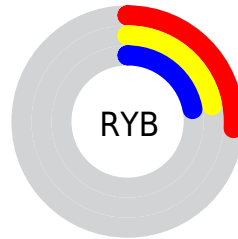
Distribution



Red (26%)

Green (22%)

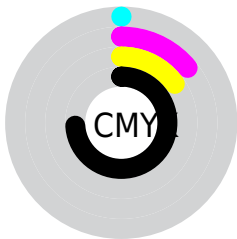
Blue (22%)



Red (26%)

Yellow (22%)

Blue (22%)

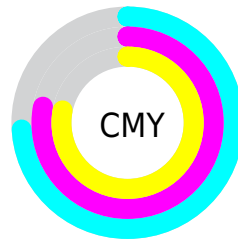


Cyan (0%)

Magenta (14%)

Yellow (15%)

Black (74%)



Cyan (74%)

Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 4.271, 28.931 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 25, 4.271, 28.931 by changing the saturation by 10% instead.

■ 25, 4.271, 28.931 ■ 25, 4.271, 28.931

■ 100, 4.271, 28.931 ■ 15, 4.271, 28.931

■ 45, 4.271, 28.931 ■ 5, 4.271, 28.931

■ 55, 4.271, 28.931 ■ 0, 4.271, 28.931

■ 65, 4.271, 28.931

■ 75, 4.271, 28.931

■ 85, 4.271, 28.931

■ 95, 4.271, 28.931

■ 25, 4.271, 28.931 ■ 25, 4.271, 28.931

■ 23, 7.364, 29.365 ■ 27, 1.390, 28.545

21, 10.678, 29.924

29, 1.293, 208.743

19, 14.214, 30.672

31, 3.793, 208.504

17, 17.956, 31.654

33, 6.129, 208.426

16, 21.870, 32.917

35, 8.317, 208.405

14, 25.686, 33.805

38, 10.375,
208.422

13, 28.828, 33.263

40, 12.315,
208.467

12, 31.470, 32.870

11, 32.720, 32.838

42, 14.151,
208.532

44, 15.896,
208.612

Harmonies

Complementary

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



25, 4.271, 28.931



27, 3.913, 208.479

Rectangle

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



25, 4.271, 28.931



25, 4.271, 78.931



25, 4.271, 208.931



25, 4.271, 258.931

Sweetspot

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



25, 4.270, 28.944



36, 1.705, 28.552



25, 7.450, 328.023



17, 1.146, 28.568



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25, 4.270, 28.944



32, 6.449, 29.086



27, 4.328, 83.700



12, 1.536, 28.703



19, 46.825, 38.207



48, 93.432, 41.006

Inverse Universe

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



27, 3.913, 208.479



35, 5.775, 208.440



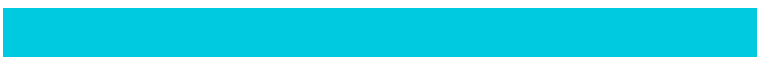
25, 4.271, 267.278



12, 1.464, 208.599



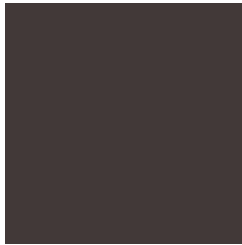
33, 22.073, 213.020



75, 40.481, 214.478

Previews

White Background



This preview shows how the CIELCh color 25, 4.271, 28.931 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 25, 4.271, 28.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

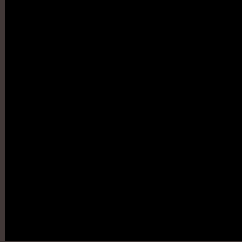
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 4.271, 28.931

Background



This preview shows how black text looks on a background with the CIELCh color 25, 4.271, 28.931.

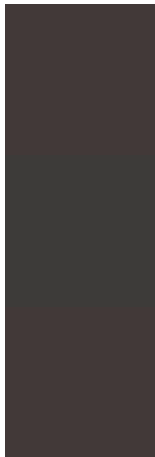


This preview shows how white text looks on a background with the CIELCh color 25, 4.271, 28.931.

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

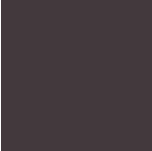
25, 4.271, 28.931

Protanopia

25, 1.596, 74.633

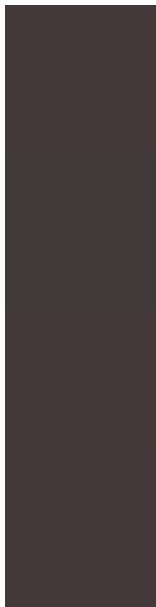
Deuteranopia

25, 4.271, 28.931



Tritanopia
25, 5.279, 350.598

Trichromacy



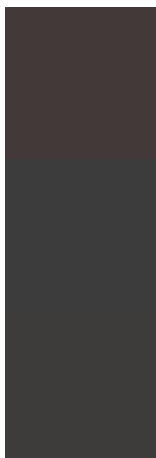
Original Color
25, 4.271, 28.931

Protanomaly
25, 2.403, 35.554

Deuteranomaly
25, 4.271, 28.931

Tritanomaly
25, 4.805, 4.471

Monochromacy



Original Color
25, 4.271, 28.931

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 1.370, 19.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 4.271, 28.931 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(66, 57, 56)` looks like.

```
.text, #text, p{  
    color:rgb(66, 57, 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(66, 57, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 57, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 4.271, 28.931 is called "border". The border property can be set on classes, ids or directly on the HTML element.

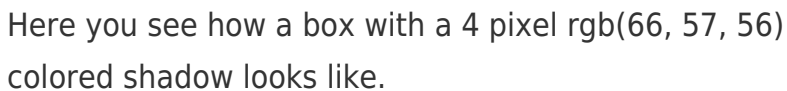
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 57, 56) }
```

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

```
.border{ border-color:rgb(66, 57, 56) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 57, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 57, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 57, 56);  
box-shadow:4px 4px 4px 4px rgb(66, 57, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 4.271, 28.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 57, 56) }
```

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

```
.background{ background-color: rgb(66, 57,  
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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