

Converting Colors

CIELCh(25, 3.753, 48.070)

Have a look what the booklet for
CIELCh(25, 3.753, 48.070) contains.

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Color

CIELCh(25, 3.837, 50.637)

Conversions

Conversions Part 1

Format	Color
Hex	413A37
RGB	65, 58, 55
RGB Percent	25%, 23%, 22%
CMY	0.7454, 0.7728, 0.7846
CMYK	0.00, 0.11, 0.15, 0.75
HSL	18°, 8%, 24%
HSV	18°, 15%, 25%
XYZ	4.3725, 4.4155, 4.2275
YIQ	59.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

Format	Color
RYB	65, 59, 55
Decimal	4274743
CIELab	25.00, 2.43, 2.97
CIElCh	25, 3.837, 50.637
Yxy	4.4155, 0.3359, 0.3392
Android (android.graphics.Color)	4282464823 (0xFF413A37)
YUV	59.7510, -2.3422, 4.6034
Hunter-Lab	21.0130, 0.3708, 2.7810

Details

The CIELCh color **25, 3.837, 50.637** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 3.561, 232.707**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 3.800, 47.614**, and **5, 3.927, 48.322** is the 20% darker color. If you saturate the color by 10%, you get **23, 6.545, 50.173**, and if you desaturate by 10%, it is **27, 1.301, 51.090**.

Distribution



Red (25%)

Green (23%)

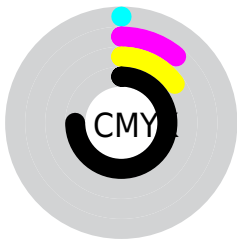
Blue (22%)



Red (25%)

Yellow (23%)

Blue (22%)



Cyan (0%)

Magenta (11%)

Yellow (15%)

Black (75%)



Cyan (75%)

Magenta (77%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 3.837, 50.637 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, 3.837, 50.637 by changing the saturation by 10% instead.

■ 25, 3.837, 50.637 ■ 25, 3.837, 50.637

■ 100, 3.837, 50.637 ■ 15, 3.837, 50.637

■ 45, 3.837, 50.637 ■ 5, 3.837, 50.637

■ 55, 3.837, 50.637 ■ 0, 3.837, 50.637

■ 65, 3.837, 50.637

■ 75, 3.837, 50.637

■ 85, 3.837, 50.637

■ 95, 3.837, 50.637

■ 25, 3.837, 50.637 ■ 25, 3.837, 50.637

■ 23, 6.545, 50.173 ■ 27, 1.301, 51.090

22, 9.438, 49.741	28, 1.079, 232.063
20, 12.527, 49.381	30, 3.317, 232.530
19, 15.813, 49.109	32, 5.428, 233.127
17, 19.287, 48.930	33, 7.426, 233.745
16, 22.724, 48.417	35, 9.323, 234.368
15, 25.501, 46.544	37, 11.132, 234.988
14, 27.989, 44.667	38, 12.861, 235.600
13, 29.118, 44.045	40, 14.519, 236.201

Harmonies

Complementary

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



25, 3.837, 50.637



26, 3.561, 232.707

Rectangle

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



25, 3.837, 50.637



25, 3.837, 100.637



25, 3.837, 230.637



25, 3.837, 280.637

Sweetspot

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



25, 3.837, 50.653



35, 1.494, 51.094



24, 6.486, 335.194



17, 1.030, 51.087



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, 3.837, 50.653



32, 5.628, 50.489



27, 5.275, 98.853



12, 1.379, 50.977



22, 43.448, 47.294



52, 86.239, 47.017

Inverse Universe

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



26, 3.561, 232.707



33, 5.130, 232.980



24, 5.355, 282.081



12, 1.326, 232.237



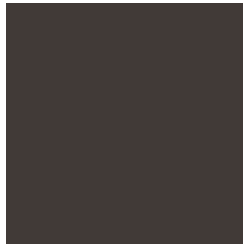
27, 23.463, 252.702



61, 44.739, 256.846

Previews

White Background



This preview shows how the CIELCh color 25, 3.837, 50.637 looks on a white background.

Color Contrast Check

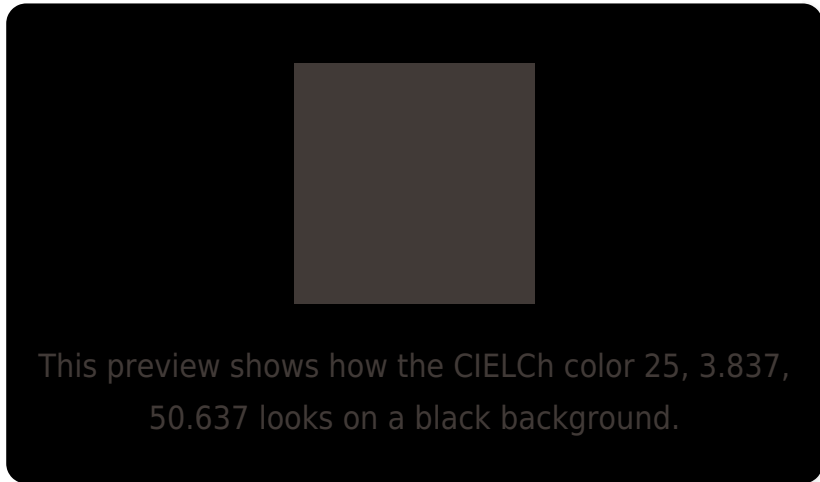
Large Text (above 18pt) WCAG AA ✓ Pass

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

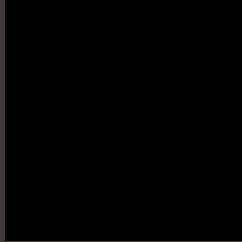
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 3.837, 50.637

Background



This preview shows how black text looks on a background with the CIELCh color 25, 3.837, 50.637.



This preview shows how white text looks on a background with the CIELCh color 25, 3.837, 50.637.

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

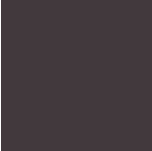
25, 3.837, 50.637

Protanopia

25, 2.170, 84.468

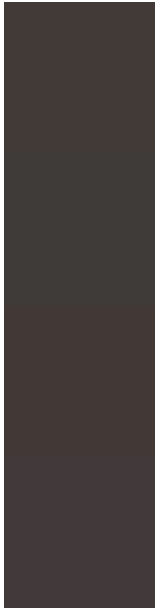
Deuteranopia

25, 4.908, 35.637



Tritanopia
25, 4.886, 347.785

Trichromacy



Original Color

25, 3.837, 50.637

Protanomaly

25, 2.404, 74.332

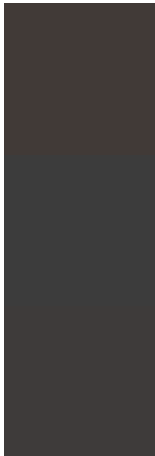
Deuteranomaly

25, 4.445, 37.222

Tritanomaly

25, 4.356, 2.676

Monochromacy



Original Color

25, 3.837, 50.637

Achromatopsia

25, 0.004, 296.813

Achromatomaly

25, 1.521, 45.023

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 25, 3.837, 50.637 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(65, 58, 55)` looks like.

```
.text, #text, p{  
    color:rgb(65, 58, 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(65, 58, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 58, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 3.837, 50.637 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(65, 58, 55) }
```

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

```
.border{ border-color:rgb(65, 58, 55) }
```

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

Here you see how a box with a 4 pixel rgb(65, 58, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 58, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 58, 55);  
box-shadow:4px 4px 4px 4px rgb(65, 58, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 3.837, 50.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 58, 55) }
```

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

```
.background{ background-color: rgb(65, 58,  
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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