

Converting Colors

CIELCh(25, 6.031, 3.293)

Have a look what the booklet for
CIELCh(25, 6.031, 3.293) contains.

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Color

CIELCh(25, 6.337, 2.572)

Conversions

Conversions Part 1

Format	Color
Hex	45383B
RGB	69, 56, 59
RGB Percent	27%, 22%, 23%
CMY	0.7292, 0.7802, 0.7685
CMYK	0.00, 0.19, 0.14, 0.73
HSL	346°, 10%, 25%
HSV	346°, 19%, 27%
XYZ	4.6641, 4.4155, 4.7499
YIQ	60.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

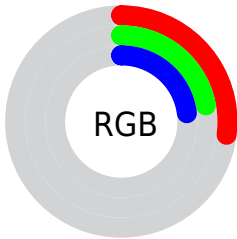
Format	Color
RYB	69, 56, 59
Decimal	4536379
CIELab	25.00, 6.33, 0.28
CIElCh	25, 6.337, 2.572
Yxy	4.4155, 0.3373, 0.3193
Android (android.graphics.Color)	4282726459 (0xFF45383B)
YUV	60.2290, -0.6059, 7.6922
Hunter-Lab	21.0130, 2.8478, 1.3069

Details

The CIELCh color **25, 6.337, 2.572** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 5.963, 179.437**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 6.113, 3.202**, and **5, 5.982, 4.506** is the 20% darker color. If you saturate the color by 10%, you get **23, 9.892, 3.681**, and if you desaturate by 10%, it is **27, 2.909, 1.594**.

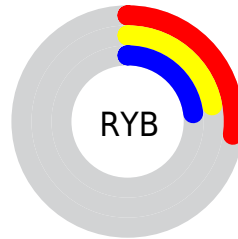
Distribution



Red (27%)

Green (22%)

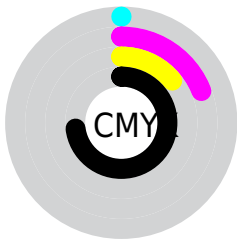
Blue (23%)



Red (27%)

Yellow (22%)

Blue (23%)

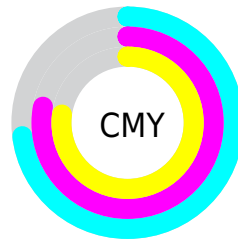


Cyan (0%)

Magenta (19%)

Yellow (14%)

Black (73%)



Cyan (73%)

Magenta (78%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 6.337, 2.572 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, 6.337, 2.572 by changing the saturation by 10% instead.

■ 25, 6.337, 2.572

■ 25, 6.337, 2.572

■ 100, 6.337, 2.572

■ 15, 6.337, 2.572

■ 45, 6.337, 2.572

■ 5, 6.337, 2.572

■ 55, 6.337, 2.572

■ 0, 6.337, 2.572

■ 65, 6.337, 2.572

■ 75, 6.337, 2.572

■ 85, 6.337, 2.572

■ 95, 6.337, 2.572

■ 25, 6.337, 2.572

■ 25, 6.337, 2.572

■ 23, 9.892, 3.681

■ 27, 2.909, 1.594

21, 13.542, 4.968	30, 0.375, 181.479
19, 17.232, 6.502	32, 3.509, 180.191
17, 20.878, 8.359	34, 6.498, 179.509
15, 24.373, 10.636	37, 9.348, 178.911
14, 27.595, 13.444	39, 12.069, 178.372
13, 30.486, 16.769	41, 14.671, 177.880
11, 33.434, 18.624	44, 17.165, 177.429
11, 33.788, 18.714	46, 19.560, 177.014

Harmonies

Complementary

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



25, 6.337, 2.572



28, 5.963, 179.437

Rectangle

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



25, 6.337, 2.572



25, 6.337, 52.572



25, 6.337, 182.572



25, 6.337, 232.572

Sweetspot

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



25, 6.336, 2.578



36, 2.433, 1.336



25, 9.650, 318.520



18, 1.628, 1.358



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 6.336, 2.578



31, 9.676, 3.119



26, 5.044, 46.604



13, 1.887, 1.575



19, 44.529, 23.369



48, 83.982, 27.877

Inverse Universe

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



25, 6.336, 2.578



31, 9.676, 3.119



27, 4.564, 228.616



13, 1.887, 1.575



19, 44.529, 23.369



48, 83.982, 27.877

Previews

White Background



This preview shows how the CIELCh color 25, 6.337, 2.572 looks on a white background.

Color Contrast Check

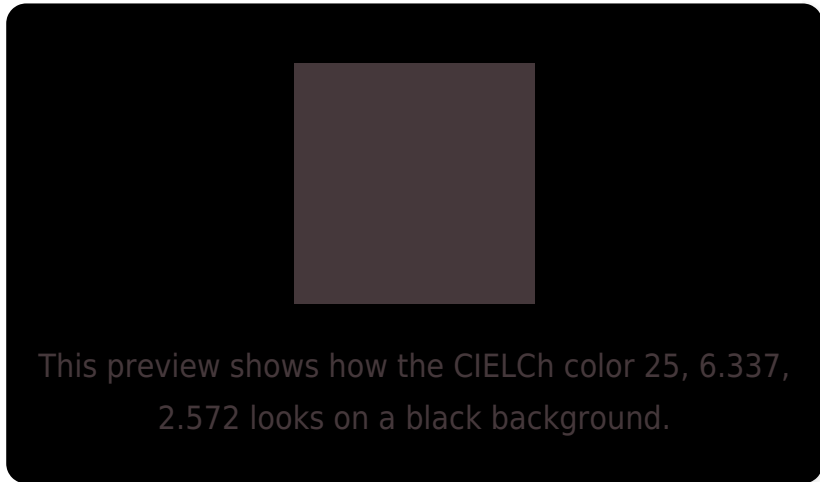
Large Text (above 18pt) WCAG AA ✓ Pass

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

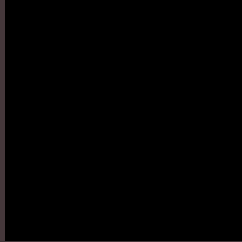
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 6.337, 2.572

Background



This preview shows how black text looks on a background with the CIELCh color 25, 6.337, 2.572.

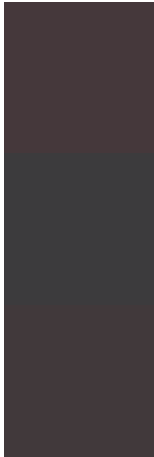


This preview shows how white text looks on a background with the CIELCh color 25, 6.337, 2.572.

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, 6.337, 2.572

Protanopia

25, 1.401, 309.155

Deuteranopia

25, 3.914, 0.500



Tritanopia
25, 6.541, 357.062

Trichromacy



Original Color

25, 6.337, 2.572

Protanomaly

25, 2.641, 349.961

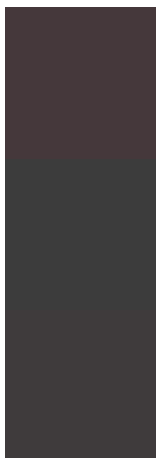
Deuteranomaly

25, 4.356, 2.676

Tritanomaly

25, 6.541, 357.062

Monochromacy



Original Color

25, 6.337, 2.572

Achromatopsia

25, 0.004, 296.813

Achromatomaly

25, 1.943, 359.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 6.337, 2.572 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(69, 56, 59)` looks like.

```
.text, #text, p{  
    color:rgb(69, 56, 59)  
}
```

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(69, 56, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 56, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 6.337, 2.572 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(69, 56, 59) }
```

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

```
.border{ border-color:rgb(69, 56, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 56, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 56, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 56, 59);  
box-shadow:4px 4px 4px 4px rgb(69, 56, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 6.337, 2.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 56, 59) }
```

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

```
.background{ background-color: rgb(69, 56,  
59) }
```

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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