

Converting Colors

CIELCh(25, 7.403, 53.231)

Have a look what the booklet for
CIELCh(25, 7.403, 53.231) contains.

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Color

CIELCh(25, 7.058, 53.912)

Conversions

Conversions Part 1

Format	Color
Hex	453933
RGB	69, 57, 51
RGB Percent	27%, 22%, 20%
CMY	0.7298, 0.7769, 0.8004
CMYK	0.00, 0.17, 0.26, 0.73
HSL	20°, 15%, 23%
HSV	20°, 26%, 27%
XYZ	4.5000, 4.4155, 3.7353
YIQ	59.9040, 9.0780, 0.6780

Conversions

Conversions Part 2

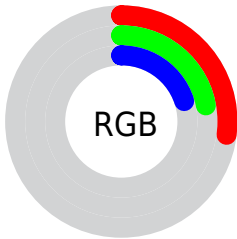
Format	Color
RYB	69, 60, 51
Decimal	4536627
CIELab	25.00, 4.16, 5.70
CIELCh	25, 7.058, 53.912
Yxy	4.4155, 0.3557, 0.3490
Android (android.graphics.Color)	4282726707 (0xFF453933)
YUV	59.9040, -4.3897, 7.9772
Hunter-Lab	21.0130, 1.4533, 4.1696

Details

The CIELCh color **25, 7.058, 53.912** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 6.228, 238.161**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 7.337, 54.343**, and **5, 7.068, 52.088** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.086, 53.337**, and if you desaturate by 10%, it is **27, 4.217, 54.545**.

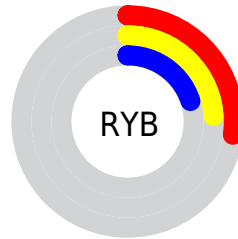
Distribution



Red (27%)

Green (22%)

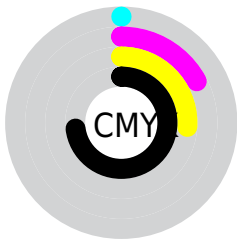
Blue (20%)



Red (27%)

Yellow (24%)

Blue (20%)

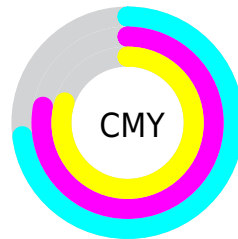


Cyan (0%)

Magenta (17%)

Yellow (26%)

Black (73%)



Cyan (73%)

Magenta (78%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 7.058, 53.912 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, 7.058, 53.912 by changing the saturation by 10% instead.

 25, 7.058, 53.912  25, 7.058, 53.912

 100, 7.058, 53.912  15, 7.058, 53.912

 45, 7.058, 53.912  5, 7.058, 53.912

 55, 7.058, 53.912  0, 7.058, 53.912

 65, 7.058, 53.912

 75, 7.058, 53.912

 85, 7.058, 53.912

 95, 7.058, 53.912

 25, 7.058, 53.912  25, 7.058, 53.912

 23, 10.086, 53.337  27, 4.217, 54.545

■ 22, 13.312, 52.810

■ 28, 1.550, 55.134

■ 20, 16.736, 52.353

■ 30, 0.958, 236.228

■ 19, 20.344, 51.967

■ 32, 3.323, 236.781

■ 18, 23.999, 51.451

■ 33, 5.560, 237.482

■ 16, 26.954, 49.671

■ 35, 7.683, 238.198

■ 15, 29.560, 47.776

■ 37, 9.705, 238.913

■ 15, 30.564, 47.216

■ 38, 11.636,
239.619

■ 40, 13.488,
240.312

Harmonies

Complementary

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



25, 7.058, 53.912



26, 6.228, 238.161

Rectangle

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



25, 7.058, 53.912



25, 7.058, 103.912



25, 7.058, 233.912



25, 7.058, 283.912

Sweetspot

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



25, 7.058, 53.922



36, 2.531, 55.021



24, 11.347, 337.360



18, 1.820, 54.970



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, 7.058, 53.922



32, 10.597, 53.557



28, 9.750, 99.732



13, 1.466, 55.003



23, 43.903, 49.556



53, 85.431, 48.662

Inverse Universe

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



26, 6.228, 238.161



33, 9.044, 238.925



23, 10.064, 285.351



13, 1.413, 236.482



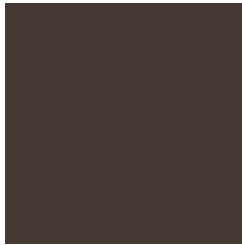
26, 25.131, 258.756



60, 47.835, 262.839

Previews

White Background



This preview shows how the CIELCh color 25, 7.058, 53.912 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, 7.058, 53.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

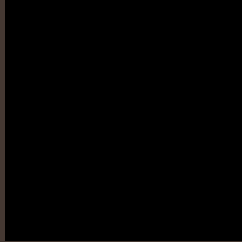
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 7.058, 53.912

Background



This preview shows how black text looks on a background with the CIELCh color 25, 7.058, 53.912.

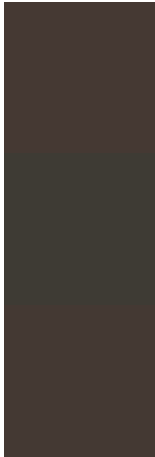


This preview shows how white text looks on a background with the CIELCh color 25, 7.058, 53.912.

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, 7.058, 53.912

Protanopia

25, 4.805, 91.958

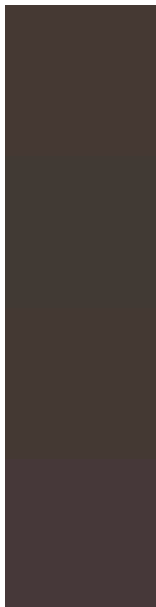
Deuteranopia

25, 6.650, 56.239



Tritanopia
25, 6.973, 358.723

Trichromacy



Original Color
25, 7.058, 53.912

Protanomaly
25, 5.177, 69.065

Deuteranomaly
25, 6.650, 56.239

Tritanomaly
25, 6.604, 14.976

Monochromacy



Original Color
25, 7.058, 53.912

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 2.263, 54.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 7.058, 53.912 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, 57, 51)` looks like.

```
.text, #text, p{  
    color:rgb(69, 57, 51)  
}
```

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, 57, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 57, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 7.058, 53.912 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, 57, 51) }
```

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

```
.border{ border-color:rgb(69, 57, 51) }
```

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

Here you see how a box with a 4 pixel rgb(69, 57, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 57, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 57, 51);  
box-shadow:4px 4px 4px 4px rgb(69, 57, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 7.058, 53.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 57, 51) }
```

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

```
.background{ background-color: rgb(69, 57,  
51) }
```

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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