

Converting Colors

CIELCh(25, 7.683, 35.761)

Have a look what the booklet for
CIELCh(25, 7.683, 35.761) contains.

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Color

CIELCh(25, 7.502, 35.748)

Conversions

Conversions Part 1

Format	Color
Hex	473835
RGB	71, 56, 53
RGB Percent	28%, 22%, 21%
CMY	0.7218, 0.7806, 0.7924
CMYK	0.00, 0.21, 0.25, 0.72
HSL	10°, 15%, 24%
HSV	10°, 25%, 28%
XYZ	4.6457, 4.4155, 3.9678
YIQ	60.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

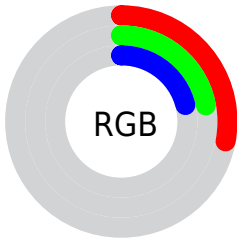
Format	Color
R_YB	71, 57, 53
Decimal	4667445
CIE Lab	25.00, 6.09, 4.38
CIE LCh	25, 7.502, 35.748
Yxy	4.4155, 0.3566, 0.3389
Android (android.graphics.Color)	4282857525 (0xFF473835)
YUV	60.1430, -3.5215, 9.5216
Hunter-Lab	21.0130, 2.6908, 3.5138

Details

The CIELCh color $[25, 7.502, 35.748]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[28, 6.432, 216.217]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[45, 7.678, 38.151]$, and $[5, 7.221, 36.477]$ is the 20% darker color. If you saturate the color by 10%, you get $[23, 10.856, 36.004]$, and if you desaturate by 10%, it is $[27, 4.379, 35.622]$.

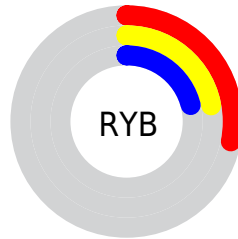
Distribution



Red (28%)

Green (22%)

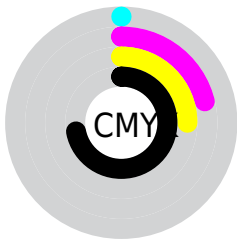
Blue (21%)



Red (28%)

Yellow (22%)

Blue (21%)

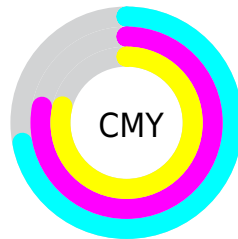


Cyan (0%)

Magenta (21%)

Yellow (25%)

Black (72%)



Cyan (72%)

Magenta (78%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 7.502, 35.748 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, 7.502, 35.748 by changing the saturation by 10% instead.

 25, 7.502, 35.748  25, 7.502, 35.748

 100, 7.502, 35.748  15, 7.502, 35.748

 45, 7.502, 35.748  5, 7.502, 35.748

 55, 7.502, 35.748  0, 7.502, 35.748


 65, 7.502, 35.748

 75, 7.502, 35.748

 85, 7.502, 35.748

 95, 7.502, 35.748

 25, 7.502, 35.748  25, 7.502, 35.748

 23, 10.856, 36.004  27, 4.379, 35.622

■ 21, 14.449, 36.403

■ 29, 1.475, 35.493

■ 19, 18.273, 36.991

■ 31, 1.227, 215.951

■ 18, 22.305, 37.794

■ 33, 3.746, 215.933

■ 16, 26.397, 38.570

■ 35, 6.100, 216.076

■ 15, 29.811, 37.904

■ 37, 8.307, 216.267

■ 14, 32.688, 37.053

■ 39, 10.382,
216.487

■ 13, 33.937, 36.979

■ 42, 12.342,
216.726

■ 44, 14.198,
216.977

Harmonies

Complementary

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



25, 7.502, 35.748



28, 6.432, 216.217

Rectangle

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



25, 7.502, 35.748



25, 7.502, 85.748



25, 7.502, 215.748



25, 7.502, 265.748

Sweetspot

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



25, 7.501, 35.757



37, 2.750, 35.551



25, 12.681, 330.771



17, 1.932, 35.562



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, 7.501, 35.757



32, 11.227, 35.883



28, 8.264, 88.247



13, 1.556, 35.555



20, 46.941, 40.698



49, 92.429, 42.291

Inverse Universe

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



28, 6.432, 216.217



35, 9.251, 216.430



25, 8.222, 274.413



13, 1.483, 215.898



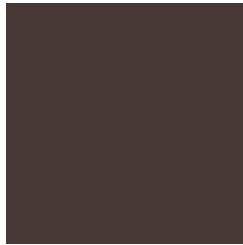
32, 21.830, 226.227



71, 39.876, 228.782

Previews

White Background



This preview shows how the CIELCh color 25, 7.502, 35.748 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, 7.502, 35.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

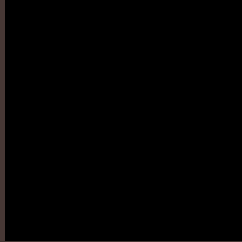
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 7.502, 35.748

Background



This preview shows how black text looks on a background with the CIELCh color 25, 7.502, 35.748.

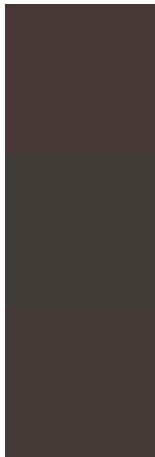


This preview shows how white text looks on a background with the CIELCh color 25, 7.502, 35.748.

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, 7.502, 35.748

Protanopia

25, 2.969, 81.452

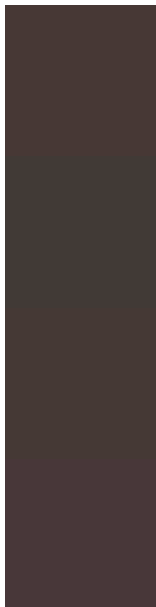
Deuteranopia

25, 5.900, 46.497



Tritanopia
25, 8.322, 2.763

Trichromacy



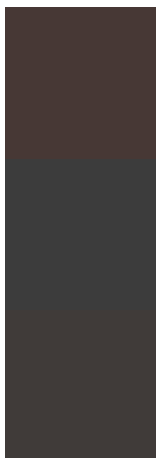
Original Color
25, 7.502, 35.748

Protanomaly
25, 4.229, 58.077

Deuteranomaly
25, 6.345, 44.594

Tritanomaly
25, 8.100, 11.718

Monochromacy



Original Color
25, 7.502, 35.748

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 2.661, 49.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 7.502, 35.748 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(71, 56, 53)` looks like.

```
.text, #text, p{  
    color:rgb(71, 56, 53)  
}
```

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(71, 56, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 56, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 7.502, 35.748 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(71, 56, 53) }
```

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

```
.border{ border-color:rgb(71, 56, 53) }
```

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

Here you see how a box with a 4 pixel rgb(71, 56, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 56, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 56, 53);  
box-shadow:4px 4px 4px 4px rgb(71, 56, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 7.502, 35.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 56, 53) }
```

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

```
.background{ background-color: rgb(71, 56,  
53) }
```

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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