

Converting Colors

CIELCh(25, 9.761, 38.846)

Have a look what the booklet for
CIELCh(25, 9.761, 38.846) contains.

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Color

CIELCh(25, 9.945, 40.054)

Conversions

Conversions Part 1

Format	Color
Hex	4A3732
RGB	74, 55, 50
RGB Percent	29%, 22%, 20%
CMY	0.7099, 0.7844, 0.8040
CMYK	0.00, 0.26, 0.32, 0.71
HSL	13°, 19%, 24%
HSV	13°, 32%, 29%
XYZ	4.7628, 4.4155, 3.6166
YIQ	60.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

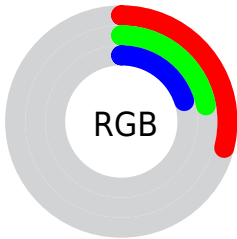
Format	Color
R_{YB}	74, 56, 50
Decimal	4863794
CIE Lab	25.00, 7.61, 6.40
CIE LCh	25, 9.945, 40.054
Yxy	4.4155, 0.3722, 0.3451
Android (android.graphics.Color)	4283053874 (0xFF4A3732)
YUV	60.1110, -4.9847, 12.1807
Hunter-Lab	21.0130, 3.6858, 4.5046

Details

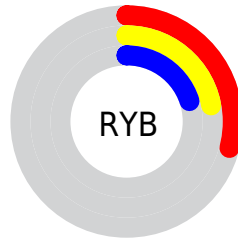
The CIELCh color $25, 9.945, 40.054$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $28, 8.151, 221.914$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 9.829, 41.538$, and $5, 9.822, 41.369$ is the 20% darker color. If you saturate the color by 10%, you get $23, 13.505, 40.184$, and if you desaturate by 10%, it is $27, 6.627, 40.059$.

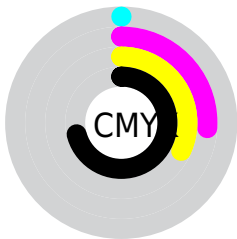
Distribution



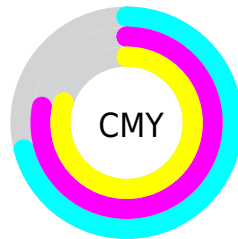
- Red (29%)
- Green (22%)
- Blue (20%)



- Red (29%)
- Yellow (22%)
- Blue (20%)



- Cyan (0%)
- Magenta (26%)
- Yellow (32%)
- Black (71%)



- Cyan (71%)
- Magenta (78%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 9.945, 40.054 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, 9.945, 40.054 by changing the saturation by 10% instead.

 25, 9.945, 40.054  25, 9.945, 40.054

 100, 9.945, 40.054  15, 9.945, 40.054

 45, 9.945, 40.054  5, 9.945, 40.054

 55, 9.945, 40.054  0, 9.945, 40.054

 65, 9.945, 40.054

 75, 9.945, 40.054

 85, 9.945, 40.054

 95, 9.945, 40.054

 25, 9.945, 40.054  25, 9.945, 40.054

 23, 13.505, 40.184  27, 6.627, 40.059

■ 21, 17.310, 40.456

■ 29, 3.540, 40.136

■ 20, 21.345, 40.902

■ 31, 0.669, 40.006

■ 18, 25.570, 41.528

■ 33, 2.007, 220.787

■ 17, 29.447, 41.337

■ 35, 4.505, 221.010

■ 15, 32.560, 40.115

■ 37, 6.845, 221.319

■ 14, 34.753, 39.657

■ 39, 9.044, 221.661

■ 41, 11.118,
222.022

■ 43, 13.080,
222.393

Harmonies

Complementary

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



25, 9.945, 40.054



28, 8.151, 221.914

Rectangle

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



25, 9.945, 40.054



25, 9.945, 90.054



25, 9.945, 220.054



25, 9.945, 270.054

Sweetspot

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



25, 9.944, 40.061



39, 3.533, 40.154



24, 16.399, 332.391



18, 2.383, 40.149



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



25, 9.944, 40.061



31, 15.411, 40.150



29, 11.340, 90.029



14, 1.611, 40.166



21, 47.307, 42.647



50, 91.738, 43.421

Inverse Universe

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



28, 8.151, 221.914



36, 11.918, 222.540



24, 11.398, 278.072



15, 1.536, 220.813



31, 22.389, 234.937



69, 40.833, 238.024

Previews

White Background



This preview shows how the CIELCh color 25, 9.945, 40.054 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, 9.945, 40.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

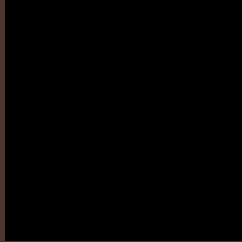
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 9.945, 40.054

Background



This preview shows how black text looks on a background with the CIELCh color 25, 9.945, 40.054.

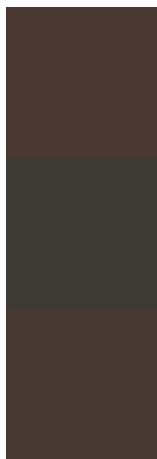


This preview shows how white text looks on a background with the CIELCh color 25, 9.945, 40.054.

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, 9.945, 40.054

Protanopia

25, 4.805, 91.958

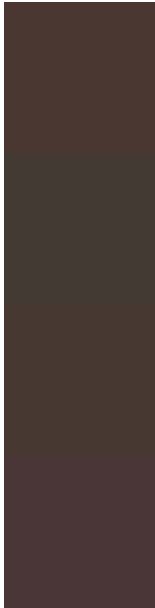
Deuteranopia

25, 7.477, 57.826



Tritanopia
25, 10.176, 6.636

Trichromacy



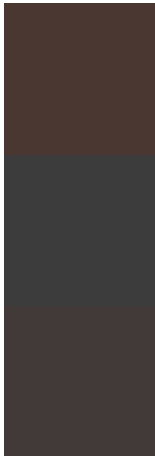
Original Color
25, 9.945, 40.054

Protanomaly
25, 6.012, 69.346

Deuteranomaly
25, 8.376, 48.360

Tritanomaly
25, 10.044, 17.665

Monochromacy



Original Color
25, 9.945, 40.054

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 3.527, 41.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 9.945, 40.054 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(74, 55, 50)` looks like.

```
.text, #text, p{  
    color:rgb(74, 55, 50)  
}
```

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(74, 55, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 55, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 9.945, 40.054 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(74, 55, 50) }
```

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

```
.border{ border-color:rgb(74, 55, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 55, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 55, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 55, 50);  
box-shadow:4px 4px 4px 4px rgb(74, 55, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 9.945, 40.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 55, 50) }
```

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

```
.background{ background-color: rgb(74, 55,  
50) }
```

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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