

Converting Colors

CIELCh(25, 7.794, 18.266)

Have a look what the booklet for
CIELCh(25, 7.794, 18.266) contains.

CIELCh(25, 8.070, 16.325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(25, 8.070, 16.325)

Conversions

Conversions Part 1

Format	Color
Hex	483738
RGB	72, 55, 56
RGB Percent	28%, 22%, 22%
CMY	0.7171, 0.7838, 0.7799
CMYK	0.00, 0.24, 0.22, 0.72
HSL	356°, 13%, 25%
HSV	356°, 24%, 28%
XYZ	4.7731, 4.4155, 4.3596
YIQ	60.1970, 9.8110, 3.9150

Conversions

Conversions Part 2

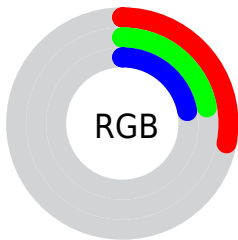
Format	Color
R_YB	72, 55, 56
Decimal	4732728
CIE Lab	25.00, 7.74, 2.27
CIE LCh	25, 8.070, 16.325
Yxy	4.4155, 0.3523, 0.3259
Android (android.graphics.Color)	4282922808 (0xFF483738)
YUV	60.1970, -2.0691, 10.3512
Hunter-Lab	21.0130, 3.7730, 2.4082

Details


The CIELCh color **25, 8.070, 16.325** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 7.133, 193.130**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 8.066, 16.189**, and **5, 7.885, 16.034** is the 20% darker color. If you saturate the color by 10%, you get **23, 11.842, 17.416**, and if you desaturate by 10%, it is **27, 4.502, 15.430**.

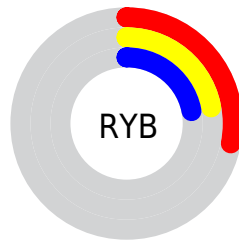
Distribution



 Red (28%)

 Green (22%)

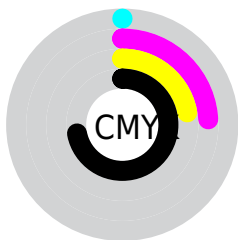
 Blue (22%)



 Red (28%)

 Yellow (22%)

 Blue (22%)

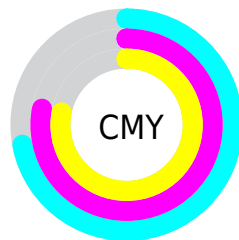


 Cyan (0%)

 Magenta (24%)

 Yellow (22%)

 Black (72%)



 Cyan (72%)

 Magenta (78%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 8.070, 16.325 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, 8.070, 16.325 by changing the saturation by 10% instead.

 25, 8.070, 16.325  25, 8.070, 16.325

 100, 8.070, 16.325  15, 8.070, 16.325

 45, 8.070, 16.325  5, 8.070, 16.325

 55, 8.070, 16.325  0, 8.070, 16.325


 65, 8.070, 16.325

 75, 8.070, 16.325

 85, 8.070, 16.325

 95, 8.070, 16.325

 25, 8.070, 16.325  25, 8.070, 16.325

 23, 11.842, 17.416  27, 4.502, 15.430

21, 15.797, 18.752

30, 1.148, 14.537

18, 19.884, 20.418

32, 1.998, 194.293

17, 24.028, 22.498

35, 4.950, 193.705

15, 28.128, 25.079

37, 7.721, 193.250

14, 31.763, 27.158

40, 10.330,
192.864

13, 34.687, 27.812

42, 12.793,
192.531

12, 36.574, 27.675

45, 15.124,
192.238

47, 17.340,
191.979

Harmonies

Complementary

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



25, 8.070, 16.325



29, 7.133, 193.130

Rectangle

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



25, 8.070, 16.325



25, 8.070, 66.325



25, 8.070, 196.325



25, 8.070, 246.325

Sweetspot

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



25, 8.069, 16.331



38, 2.843, 14.907



25, 13.140, 323.695



19, 1.864, 14.918



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, 8.069, 16.331



32, 12.177, 16.905



27, 6.649, 65.525



13, 1.804, 15.016



19, 48.217, 33.282



47, 93.423, 38.157

Inverse Universe

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



25, 8.069, 16.331



32, 12.177, 16.905



27, 6.141, 250.715



13, 1.804, 15.016



19, 48.217, 33.282



47, 93.423, 38.157

Previews

White Background



This preview shows how the CIELCh color 25, 8.070, 16.325 looks on a white background.

Color Contrast Check

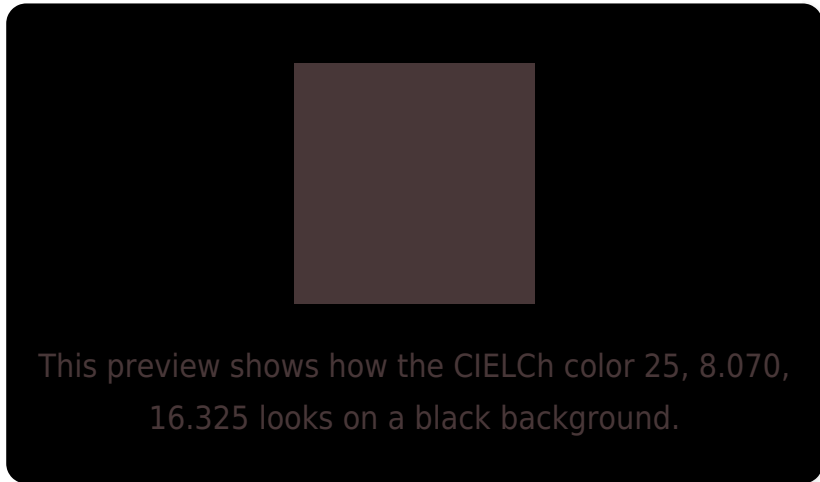
Large Text (above 18pt) WCAG AA ✓ Pass

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

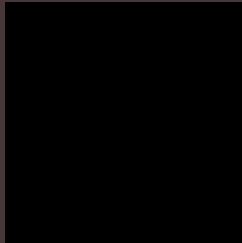
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 8.070, 16.325

Background



This preview shows how black text looks on a background with the CIELCh color 25, 8.070, 16.325.

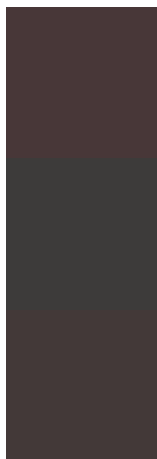


This preview shows how white text looks on a background with the CIELCh color 25, 8.070, 16.325.

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, 8.070, 16.325

Protanopia

25, 1.121, 55.173

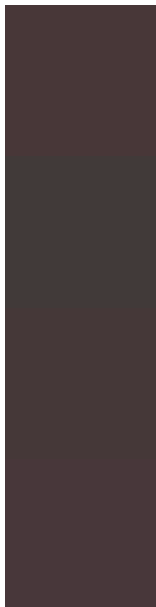
Deuteranopia

25, 4.745, 28.128



Tritanopia
25, 8.322, 2.763

Trichromacy



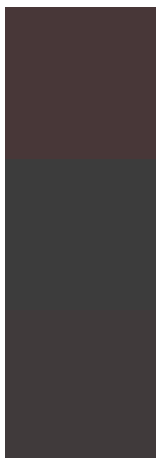
Original Color
25, 8.070, 16.325

Protanomaly
25, 3.321, 31.278

Deuteranomaly
25, 6.129, 20.529

Tritanomaly
25, 8.185, 7.178

Monochromacy



Original Color
25, 8.070, 16.325

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 2.836, 6.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 8.070, 16.325 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(72, 55, 56)` looks like.

```
.text, #text, p{  
    color:rgb(72, 55, 56)  
}
```

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(72, 55, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 55, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 8.070, 16.325 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(72, 55, 56) }
```

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

```
.border{ border-color:rgb(72, 55, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 55, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 55, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 55, 56);  
box-shadow:4px 4px 4px 4px rgb(72, 55, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 8.070, 16.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 55, 56) }
```

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

```
.background{ background-color: rgb(72, 55,  
56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor