

Converting Colors

CIELCh(25, 16.439, 22.679)

Have a look what the booklet for
CIELCh(25, 16.439, 22.679) contains.

CIELCh(25, 16.733, 22.846)	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, 16.733, 22.846)

Conversions

Conversions Part 1

Format	Color
Hex	543232
RGB	84, 50, 50
RGB Percent	33%, 20%, 20%
CMY	0.6700, 0.8034, 0.8034
CMYK	0.00, 0.40, 0.40, 0.67
HSL	0°, 25%, 26%
HSV	0°, 40%, 33%
XYZ	5.3940, 4.4155, 3.6002
YIQ	60.1660, 20.2640, 7.2080

Conversions

Conversions Part 2

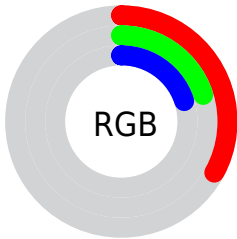
Format	Color
RYB	84, 50, 50
Decimal	5517874
CIELab	25.00, 15.42, 6.50
CIELCh	25, 16.733, 22.846
Yxy	4.4155, 0.4022, 0.3293
Android (android.graphics.Color)	4283707954 (0xFF543232)
YUV	60.1660, -5.0118, 20.9024
Hunter-Lab	21.0130, 9.0479, 4.5507

Details

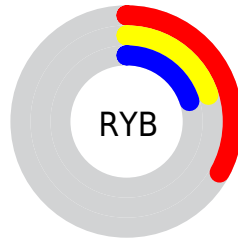
The CIELCh color **25, 16.733, 22.846** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 12.913, 197.648**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 16.675, 23.581**, and **5, 17.093, 22.182** is the 20% darker color. If you saturate the color by 10%, you get **23, 21.504, 24.371**, and if you desaturate by 10%, it is **28, 12.182, 21.658**.

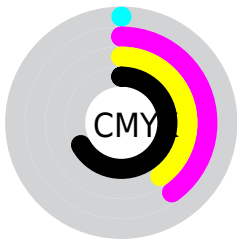
Distribution



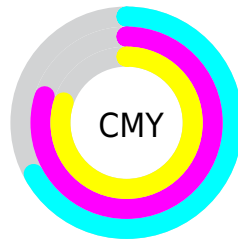
- Red (33%)
- Green (20%)
- Blue (20%)



- Red (33%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (67%)



- Cyan (67%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 16.733, 22.846 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, 16.733, 22.846 by changing the saturation by 10% instead.

■ 25, 16.733, 22.846

■ 25, 16.733, 22.846

■ 100, 16.733,
22.846

■ 15, 16.733, 22.846

■ 45, 16.733, 22.846

■ 5, 16.733, 22.846

■ 55, 16.733, 22.846

■ 0, 16.733, 22.846

■ 65, 16.733, 22.846

■ 75, 16.733, 22.846

■ 85, 16.733, 22.846

■ 95, 16.733, 22.846

■ 25, 16.733, 22.846

■ 25, 16.733, 22.846

23, 21.504, 24.371

28, 12.182, 21.658

20, 26.421, 26.308

30, 7.895, 20.717

19, 31.370, 28.733

33, 3.887, 19.948

17, 36.056, 31.298

36, 0.154, 17.519

16, 39.574, 32.488

38, 3.322, 199.070

15, 42.652, 33.029

41, 6.560, 198.651

44, 9.583, 198.331

47, 12.416,
198.073

50, 15.079,
197.861

Harmonies

Complementary

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



25, 16.733, 22.846



33, 12.913, 197.648

Rectangle

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



25, 16.733, 22.846



25, 16.733, 72.846



25, 16.733, 202.846



25, 16.733, 252.846

Sweetspot

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



25, 16.732, 22.850



42, 5.608, 20.092



26, 25.925, 326.421



21, 3.758, 20.141



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



25, 16.732, 22.850



30, 26.019, 24.416



30, 13.859, 70.816



15, 2.019, 19.821



20, 51.594, 36.280



48, 97.374, 40.001

Inverse Universe

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



33, 12.913, 197.648



43, 18.614, 197.303



28, 12.483, 261.607



16, 1.921, 199.079



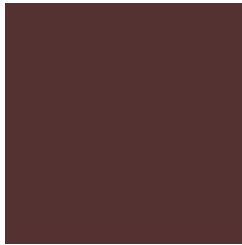
40, 26.017, 196.406



84, 46.656, 196.407

Previews

White Background



This preview shows how the CIELCh color 25, 16.733, 22.846 looks on a white background.

Color Contrast Check

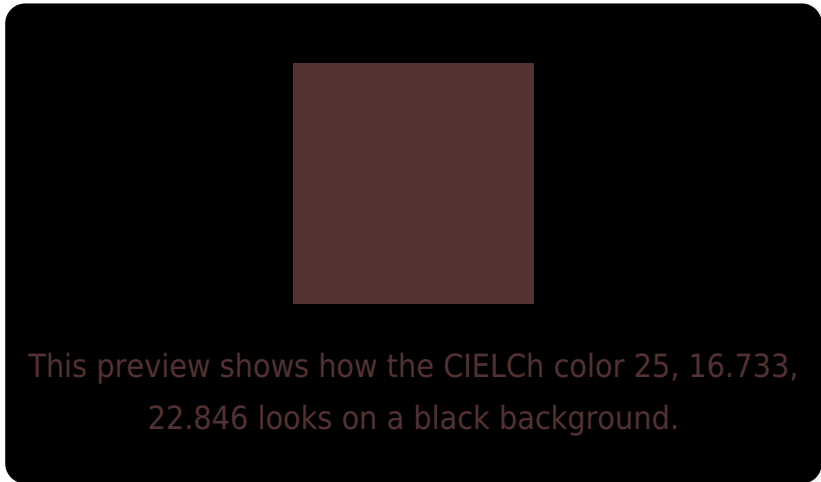
Large Text (above 18pt) WCAG AA ✓ Pass

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

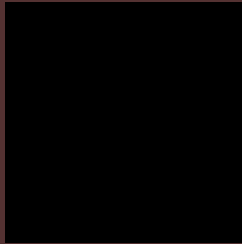
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 16.733, 22.846

Background



This preview shows how black text looks on a background with the CIELCh color 25, 16.733, 22.846.

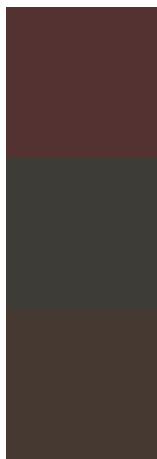


This preview shows how white text looks on a background with the CIELCh color 25, 16.733, 22.846.

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, 16.733, 22.846

Protanopia

25, 3.399, 93.536

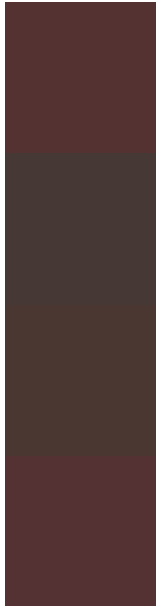
Deuteranopia

25, 7.928, 61.291



Tritanopia
25, 16.511, 16.195

Trichromacy



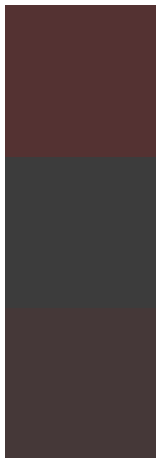
Original Color
25, 16.733, 22.846

Protanomaly
25, 7.026, 36.723

Deuteranomaly
25, 10.713, 42.358

Tritanomaly
25, 16.558, 18.431

Monochromacy



Original Color
25, 16.733, 22.846

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 6.129, 20.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 16.733, 22.846 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(84, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(84, 50, 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(84, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 50, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 16.733, 22.846 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(84, 50, 50) }
```

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

```
.border{ border-color:rgb(84, 50, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 50, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(84, 50, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 16.733, 22.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 50, 50) }
```

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

```
.background{ background-color: rgb(84, 50,  
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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