

Converting Colors

CIELCh(25, 26.918, 80.731)

Have a look what the booklet for
CIELCh(25, 26.918, 80.731) contains.

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Color

CIELCh(25, 26.670, 80.717)

Conversions

Conversions Part 1

Format	Color
Hex	4C3812
RGB	76, 56, 18
RGB Percent	30%, 22%, 7%
CMY	0.7018, 0.7802, 0.9292
CMYK	0.00, 0.26, 0.76, 0.70
HSL	39°, 62%, 18%
HSV	39°, 76%, 30%
XYZ	4.5108, 4.4155, 1.1888
YIQ	57.6480, 24.1180, -7.5780

Conversions

Conversions Part 2

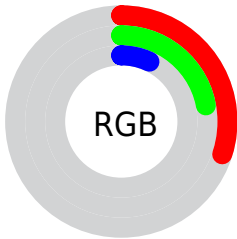
Format	Color
RYB	49, 76, 18
Decimal	4995090
CIELab	25.00, 4.30, 26.32
CIELCh	25, 26.670, 80.717
Yxy	4.4155, 0.4459, 0.4365
Android (android.graphics.Color)	4283185170 (0xFF4C3812)
YUV	57.6480, -19.5465, 16.0947
Hunter-Lab	21.0130, 1.5452, 11.3548

Details

The CIELCh color **25, 26.670, 80.717** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16, 26.843, 285.011**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 26.924, 81.562**, and **5, 8.747, 61.232** is the 20% darker color. If you saturate the color by 10%, you get **24, 29.696, 79.184**, and if you desaturate by 10%, it is **26, 23.268, 82.114**.

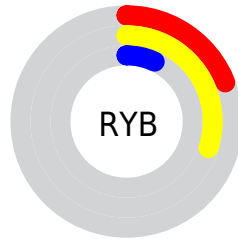
Distribution



Red (30%)

Green (22%)

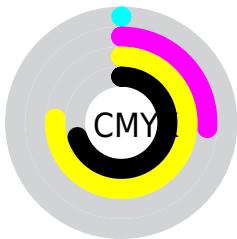
Blue (7%)



Red (19%)

Yellow (30%)

Blue (7%)

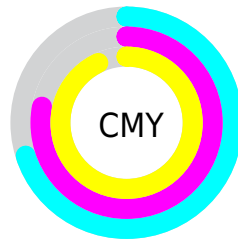


Cyan (0%)

Magenta (26%)

Yellow (76%)

Black (70%)



Cyan (70%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 26.670, 80.717 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, 26.670, 80.717 by changing the saturation by 10% instead.

■ 25, 26.670, 80.717

■ 25, 26.670, 80.717

■ 100, 26.670,
80.717

■ 15, 26.670, 80.717

■ 45, 26.670, 80.717

■ 5, 26.670, 80.717

■ 55, 26.670, 80.717

■ 0, 26.670, 80.717

■ 65, 26.670, 80.717

■ 75, 26.670, 80.717

■ 85, 26.670, 80.717

■ 95, 26.670, 80.717

■ 25, 26.670, 80.717

■ 25, 26.670, 80.717

■ 24, 29.696, 79.184

■ 26, 23.268, 82.114

■ 23, 32.194, 77.568

■ 27, 19.713, 83.437

■ 23, 33.128, 77.027

■ 28, 16.111, 84.713

■ 29, 12.525, 85.953

■ 30, 8.985, 87.160

■ 31, 5.507, 88.330

■ 32, 2.098, 89.436

■ 33, 1.242, 270.702

■ 34, 4.516, 271.694

Harmonies

Complementary

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



25, 26.670, 80.717



16, 26.843, 285.011

Rectangle

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



25, 26.670, 80.717



25, 26.670, 130.717



25, 26.670, 260.717



25, 26.670, 310.717

Sweetspot

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



25, 26.670, 80.720



39, 9.798, 87.444



16, 29.031, 3.574



19, 6.853, 87.191



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



25, 26.670, 80.720



31, 38.597, 77.622



30, 34.011, 111.500



15, 1.882, 89.182



31, 42.128, 76.315



69, 76.177, 74.102

Inverse Universe

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



16, 26.843, 285.011



18, 41.217, 291.176



10, 41.540, 304.091



14, 1.882, 271.245



16, 46.165, 293.752



40, 89.984, 296.467

Previews

White Background



This preview shows how the CIELCh color 25, 26.670, 80.717 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, 26.670, 80.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

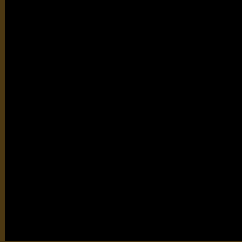
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 26.670, 80.717

Background



This preview shows how black text looks on a background with the CIELCh color 25, 26.670, 80.717.

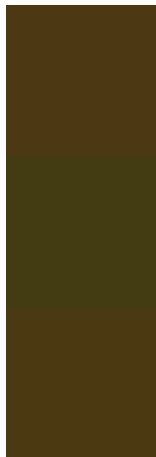


This preview shows how white text looks on a background with the CIELCh color 25, 26.670, 80.717.

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, 26.670, 80.717

Protanopia

25, 25.841, 96.360

Deuteranopia

25, 26.654, 83.236



Tritanopia
25, 13.059, 10.671

Trichromacy



Original Color
25, 26.670, 80.717

Protanomaly
25, 25.806, 91.488

Deuteranomaly
25, 26.654, 83.236

Tritanomaly
25, 14.924, 49.870

Monochromacy



Original Color
25, 26.670, 80.717

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 10.067, 84.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 26.670, 80.717 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(76, 56, 18)` looks like.

```
.text, #text, p{  
    color:rgb(76, 56, 18)  
}
```

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(76, 56, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 56, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 26.670, 80.717 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(76, 56, 18) }
```

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

```
.border{ border-color:rgb(76, 56, 18) }
```

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

Here you see how a box with a 4 pixel rgb(76, 56, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 56, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 56, 18);  
box-shadow:4px 4px 4px 4px rgb(76, 56, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 26.670, 80.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 56, 18) }
```

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

```
.background{ background-color: rgb(76, 56,  
18) }
```

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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