

Converting Colors

CIELCh(26, 41.683, 40.722)

Have a look what the booklet for
CIELCh(26, 41.683, 40.722) contains.

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Color

CIELCh(26, 42.080, 40.750)

Conversions

Conversions Part 1

Format	Color
Hex	6F2515
RGB	111, 37, 21
RGB Percent	44%, 15%, 8%
CMY	0.5650, 0.8552, 0.9179
CMYK	0.00, 0.67, 0.81, 0.57
HSL	11°, 68%, 26%
HSV	11°, 81%, 43%
XYZ	7.3389, 4.7465, 1.2358
YIQ	57.3020, 49.2400, 10.7120

Conversions

Conversions Part 2

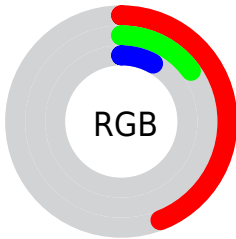
Format	Color
R_{YB}	111, 40, 21
Decimal	7283989
CIE _{Lab}	26.00, 31.88, 27.47
CIE _{LCh}	26, 42.080, 40.750
Yxy	4.7465, 0.5509, 0.3563
Android (android.graphics.Color)	4285474069 (0xFF6F2515)
YUV	57.3020, -17.8969, 47.0931
Hunter-Lab	21.7865, 22.0028, 11.8875

Details

The CIELCh color **26, 42.080, 40.750** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 22.054, 224.167**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 41.933, 40.832**, and **8, 29.788, 23.761** is the 20% darker color. If you saturate the color by 10%, you get **24, 47.650, 41.584**, and if you desaturate by 10%, it is **28, 35.981, 39.586**.

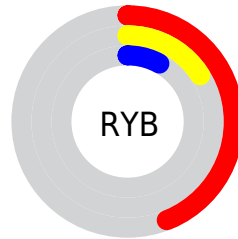
Distribution



Red (44%)

Green (15%)

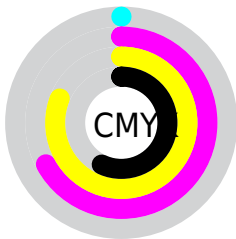
Blue (8%)



Red (44%)

Yellow (16%)

Blue (8%)

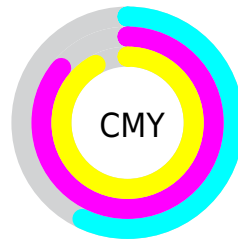


Cyan (0%)

Magenta (67%)

Yellow (81%)

Black (57%)



Cyan (57%)

Magenta (86%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 42.080, 40.750 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 26, 42.080, 40.750 by changing the saturation by 10% instead.

■ 26, 42.080, 40.750

■ 26, 42.080, 40.750

■ 100, 42.080,
40.750

■ 16, 42.080, 40.750

■ 46, 42.080, 40.750

■ 6, 42.080, 40.750

■ 56, 42.080, 40.750

■ 0, 42.080, 40.750

■ 66, 42.080, 40.750

■ 76, 42.080, 40.750

■ 86, 42.080, 40.750

■ 96, 42.080, 40.750

■ 26, 42.080, 40.750

■ 26, 42.080, 40.750

24, 47.650, 41.584

28, 35.981, 39.586

23, 51.627, 41.904

30, 29.950, 38.599

33, 24.165, 37.850

35, 18.707, 37.329

38, 13.611, 37.005

41, 8.878, 36.836

44, 4.494, 36.769

46, 0.436, 36.103

49, 3.327, 217.174

Harmonies

Complementary

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



26, 42.080, 40.750



37, 22.054, 224.167

Rectangle

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



26, 42.080, 40.750



26, 42.080, 90.750



26, 42.080, 220.750



26, 42.080, 270.750

Sweetspot

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



26, 42.078, 40.753



52, 12.768, 36.880



26, 51.137, 334.414



25, 8.939, 36.927



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



26, 42.078, 40.753



32, 63.348, 42.605



37, 38.436, 80.352



22, 2.275, 36.758



25, 55.289, 42.332



54, 98.389, 42.465

Inverse Universe

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



37, 22.054, 224.167



46, 28.457, 229.082



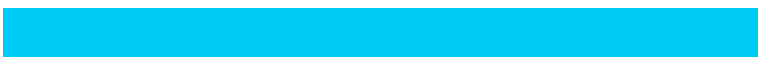
23, 40.069, 288.619



23, 2.156, 217.180



38, 24.922, 229.272



76, 42.636, 231.410

Previews

White Background



This preview shows how the CIE LCh color 26, 42.080, 40.750 looks on a white background.

Color Contrast Check

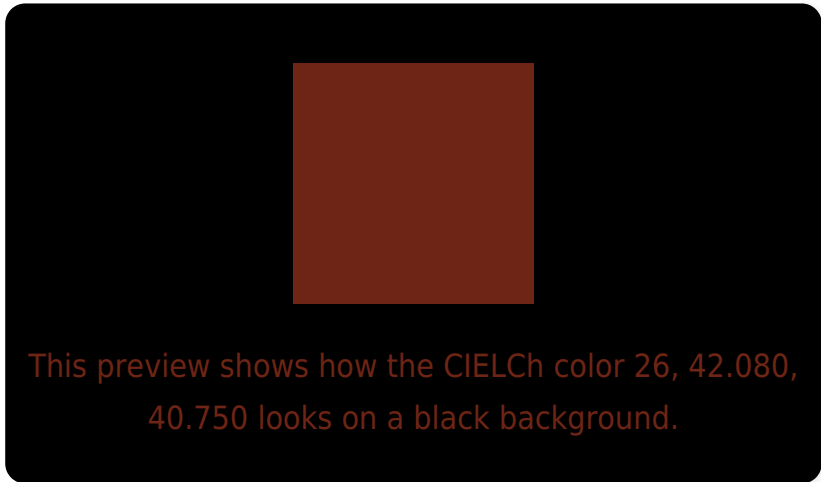
Large Text (above 18pt) WCAG AA ✓ Pass

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

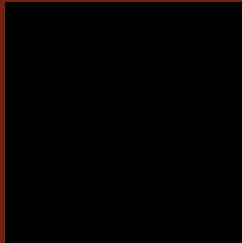
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 42.080, 40.750

Background



This preview shows how black text looks on a background with the CIELCh color 26, 42.080, 40.750.

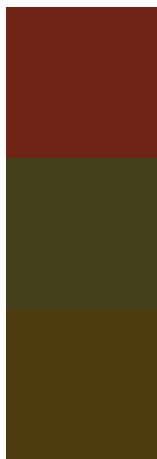


This preview shows how white text looks on a background with the CIELCh color 26, 42.080, 40.750.

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

26, 42.080, 40.750

Protanopia

27, 22.435, 96.190

Deuteranopia

27, 30.143, 84.187



Tritanopia
26, 37.886, 27.076

Trichromacy



Original Color
26, 42.080, 40.750

Protanomaly
26, 25.806, 65.646

Deuteranomaly
26, 31.892, 63.242

Tritanomaly
26, 39.142, 32.881

Monochromacy



Original Color
26, 42.080, 40.750

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 14.366, 37.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 42.080, 40.750 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(111, 37, 21)` looks like.

```
.text, #text, p{  
    color:rgb(111, 37, 21)  
}
```

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(111, 37, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 37, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 42.080, 40.750 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(111, 37, 21) }
```

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

```
.border{ border-color:rgb(111, 37, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 37, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 37, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 37, 21);  
box-shadow:4px 4px 4px 4px rgb(111, 37,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 42.080, 40.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 37, 21) }
```

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

```
.background{ background-color: rgb(111, 37,  
21) }
```

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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