

Converting Colors

CIE LCh(26, 2.821, 27.020)

Have a look what the booklet for
CIELCh(26, 2.821, 27.020) contains.

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Color

CIELCh(26, 2.753, 19.815)

Conversions

Conversions Part 1

Format	Color
Hex	423C3C
RGB	66, 60, 60
RGB Percent	26%, 24%, 24%
CMY	0.7404, 0.7639, 0.7639
CMYK	0.00, 0.09, 0.09, 0.74
HSL	0°, 5%, 25%
HSV	0°, 9%, 26%
XYZ	4.7078, 4.7465, 4.9709
YIQ	61.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

Format	Color
RYB	66, 60, 60
Decimal	4340796
CIELab	26.00, 2.59, 0.93
CIElCh	26, 2.753, 19.815
Yxy	4.7465, 0.3264, 0.3290
Android (android.graphics.Color)	4282530876 (0xFF423C3C)
YUV	61.7940, -0.8844, 3.6887
Hunter-Lab	21.7865, 0.4456, 1.7227

Details

The CIELCh color **26, 2.753, 19.815** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 2.618, 199.085**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 2.900, 19.636**, and **6, 2.819, 19.372** is the 20% darker color. If you saturate the color by 10%, you get **24, 5.992, 20.555**, and if you desaturate by 10%, it is **28, 0.273, 200.307**.

Distribution



Red (26%)

Green (24%)

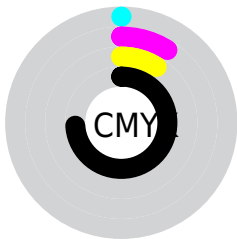
Blue (24%)



Red (26%)

Yellow (24%)

Blue (24%)



Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (74%)



Cyan (74%)

Magenta (76%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 2.753, 19.815 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, 2.753, 19.815 by changing the saturation by 10% instead.

■ 26, 2.753, 19.815 ■ 26, 2.753, 19.815

■ 100, 2.753, 19.815 ■ 16, 2.753, 19.815

■ 46, 2.753, 19.815 ■ 6, 2.753, 19.815

■ 56, 2.753, 19.815 ■ 0, 2.753, 19.815

■ 66, 2.753, 19.815

■ 76, 2.753, 19.815

■ 86, 2.753, 19.815

■ 96, 2.753, 19.815

■ 26, 2.753, 19.815 ■ 26, 2.753, 19.815

■ 24, 5.992, 20.555 ■ 28, 0.273, 200.307

22, 9.452, 21.415	31, 3.097, 199.031
19, 13.125, 22.492	33, 5.734, 198.639
17, 16.985, 23.852	35, 8.205, 198.334
16, 20.982, 25.571	38, 10.525, 198.086
14, 25.022, 27.647	40, 12.711, 197.881
13, 28.554, 28.593	42, 14.778, 197.709
12, 31.370, 28.621	45, 16.741, 197.563
10, 34.213, 28.170	47, 18.610, 197.440

Harmonies

Complementary

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



26, 2.753, 19.815



28, 2.618, 199.085

Rectangle

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



26, 2.753, 19.815



26, 2.753, 69.815



26, 2.753, 199.815



26, 2.753, 249.815

Sweetspot

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



26, 2.752, 19.833



36, 1.117, 19.320



26, 4.772, 324.853



17, 0.835, 19.388



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



26, 2.752, 19.833



34, 4.214, 20.001



27, 2.377, 74.382



12, 1.687, 19.794



18, 48.291, 35.267



47, 94.943, 40.002

Inverse Universe

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



28, 2.618, 199.085



36, 3.954, 198.953



27, 2.336, 256.513



12, 1.610, 199.117



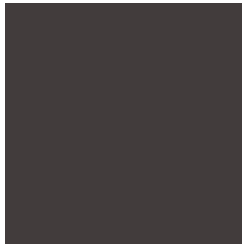
37, 24.662, 196.420



81, 45.485, 196.423

Previews

White Background



This preview shows how the CIELCh color 26, 2.753, 19.815 looks on a white background.

Color Contrast Check

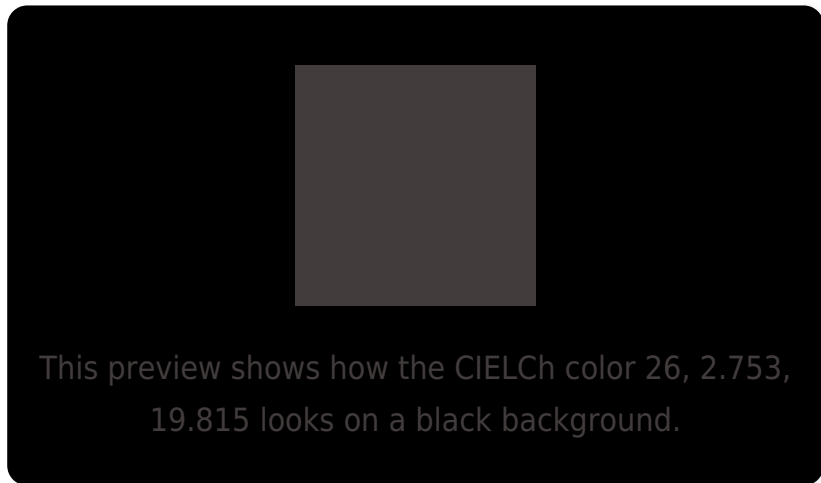
Large Text (above 18pt) WCAG AA ✓ Pass

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

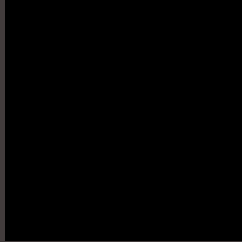
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 2.753, 19.815

Background



This preview shows how black text looks on a background with the CIELCh color 26, 2.753, 19.815.

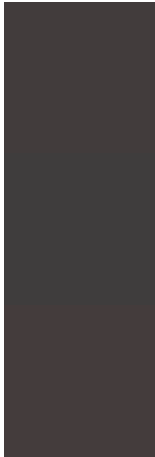


This preview shows how white text looks on a background with the CIELCh color 26, 2.753, 19.815.

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, 2.753, 19.815

Protanopia

26, 0.906, 19.303

Deuteranopia

26, 3.688, 20.006



Tritanopia
26, 4.112, 340.668

Trichromacy



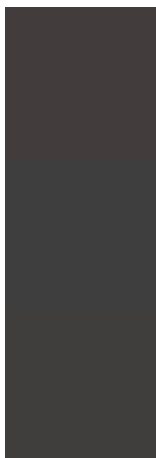
Original Color
26, 2.753, 19.815

Protanomaly
26, 1.363, 19.472

Deuteranomaly
26, 3.220, 19.912

Tritanomaly
26, 3.738, 348.454

Monochromacy



Original Color
26, 2.753, 19.815

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 1.363, 19.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 2.753, 19.815 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(66, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(66, 60, 60)  
}
```

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(66, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 60, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 2.753, 19.815 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(66, 60, 60) }
```

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

```
.border{ border-color:rgb(66, 60, 60) }
```

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

Here you see how a box with a 4 pixel rgb(66, 60, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(66, 60, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 2.753, 19.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 60, 60) }
```

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

```
.background{ background-color: rgb(66, 60,  
60) }
```

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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