

Converting Colors

CIELCh(26, 16.944, 106.014)

Have a look what the booklet for
CIElCh(26, 16.944, 106.014)
contains.

CIElCh(26, 16.673, 106.712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(26, 16.673, 106.712)

Conversions

Conversions Part 1

Format	Color
Hex	3F3F25
RGB	63, 63, 37
RGB Percent	25%, 25%, 15%
CMY	0.7529, 0.7529, 0.8549
CMYK	0.00, 0.00, 0.41, 0.75
HSL	60°, 26%, 20%
HSV	60°, 41%, 25%
XYZ	4.1624, 4.7465, 2.4476
YIQ	60.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

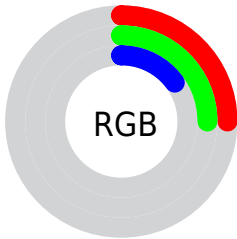
Format	Color
R_{YB}	37, 63, 37
Decimal	4144933
CIE Lab	26.00, -4.79, 15.97
CIE LCh	26, 16.673, 106.712
Yxy	4.7465, 0.3665, 0.4180
Android (android.graphics.Color)	4282335013 (0xFF3F3F25)
YUV	60.0360, -11.3567, 2.5994
Hunter-Lab	21.7865, -4.0233, 8.5895

Details

The CIELCh color **26, 16.673, 106.712** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16, 18.257, 294.849**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 17.020, 107.787**, and **6, 10.014, 115.341** is the 20% darker color. If you saturate the color by 10%, you get **26, 20.504, 105.913**, and if you desaturate by 10%, it is **26, 12.720, 107.546**.

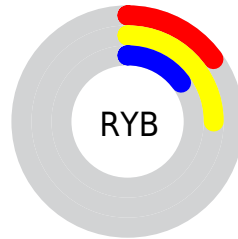
Distribution



Red (25%)

Green (25%)

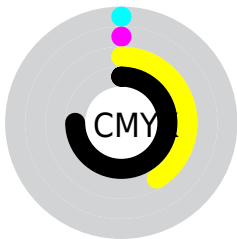
Blue (15%)



Red (15%)

Yellow (25%)

Blue (15%)

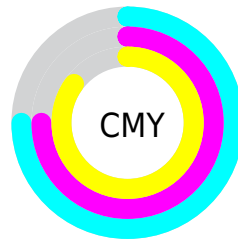


Cyan (0%)

Magenta (0%)

Yellow (41%)

Black (75%)



Cyan (75%)


Magenta (75%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 16.673, 106.712 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, 16.673, 106.712 by changing the saturation by 10% instead.

 26, 16.673,
106.712


 26, 16.673,
106.712

 100, 16.673,
106.712


 16, 16.673,
106.712


 46, 16.673,
106.712


 6, 16.673, 106.712

 56, 16.673,
106.712

 0, 16.673, 106.712

 66, 16.673,
106.712

 76, 16.673,
106.712

 86, 16.673,
106.712

 96, 16.673,

106.712

■ 26, 16.673,
106.712

■ 26, 16.673,
106.712

■ 26, 20.504,
105.913

■ 26, 12.720,
107.546

■ 26, 24.143,
105.157

■ 26, 8.689, 108.389

■ 26, 27.494,
104.470

■ 26, 4.614, 109.232

■ 27, 0.515, 110.021

■ 26, 30.429,
103.878

■ 27, 3.591, 290.906

■ 26, 32.980,
103.387

■ 27, 7.694, 291.702

■ 27, 11.787,
292.475

■ 26, 35.197,
103.018

■ 28, 15.864,
293.220

■ 28, 19.921,
293.934

Harmonies

Complementary

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



26, 16.673, 106.712



16, 18.257, 294.849

Rectangle

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



26, 16.673, 106.712



26, 16.673, 156.712



26, 16.673, 286.712



26, 16.673, 336.712

Sweetspot

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



26, 16.674, 106.715



34, 6.094, 109.127



18, 13.382, 22.702



16, 3.973, 109.108



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



26, 16.674, 106.715



34, 24.774, 105.843



25, 17.940, 127.383



11, 2.219, 109.472



39, 46.825, 102.856



86, 87.233, 102.856

Inverse Universe

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



16, 18.257, 294.849



19, 28.000, 296.582



17, 18.884, 310.853



10, 2.259, 290.927



7, 64.586, 306.248



27, 120.453, 306.287

Previews

White Background



This preview shows how the CIELCh color 26, 16.673, 106.712 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 CIELCh color 26, 16.673, 106.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

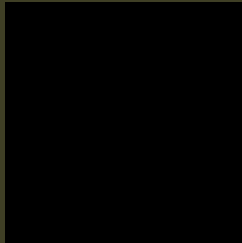
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 16.673, 106.712

Background



This preview shows how black text looks on a background with the CIELCh color 26, 16.673, 106.712.

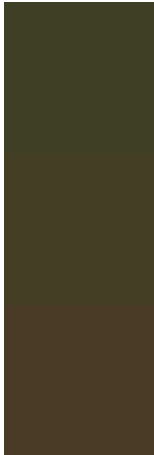


This preview shows how white text looks on a background with the CIELCh color 26, 16.673, 106.712.

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

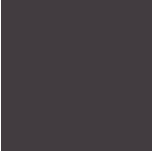
26, 16.673, 106.712

Protanopia

26, 16.918, 97.992

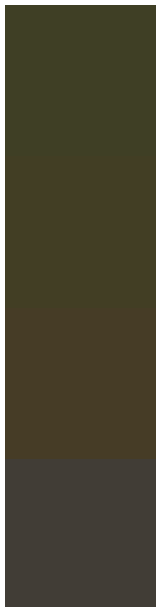
Deuteranopia

26, 15.827, 78.077



Tritanopia
26, 3.775, 336.185

Trichromacy



Original Color
26, 16.673, 106.712

Protanomaly
26, 16.842, 99.716

Deuteranomaly
26, 15.218, 87.503

Tritanomaly
26, 4.940, 86.724

Monochromacy



Original Color
26, 16.673, 106.712

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 5.877, 108.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 16.673, 106.712 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(63, 63, 37)` looks like.

```
.text, #text, p{  
    color:rgb(63, 63, 37)  
}
```

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(63, 63, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 63, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 16.673, 106.712 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(63, 63, 37) }
```

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

```
.border{ border-color:rgb(63, 63, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 63, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 63, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 63, 37);  
box-shadow:4px 4px 4px 4px rgb(63, 63, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 16.673, 106.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 63, 37) }
```

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

```
.background{ background-color: rgb(63, 63,  
37) }
```

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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