

Converting Colors

CIELCh(26, 58.833, 37.236)

Have a look what the booklet for
CIELCh(26, 58.833, 37.236) contains.

CIELCh(26, 58.902, 37.269)	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(26, 58.902, 37.269)

Conversions

Conversions Part 1

Format	Color
Hex	800707
RGB	128, 7, 7
RGB Percent	50%, 3%, 3%
CMY	0.4984, 0.9731, 0.9729
CMYK	0.00, 0.95, 0.95, 0.50
HSL	360°, 90%, 26%
HSV	360°, 95%, 50%
XYZ	9.0014, 4.7465, 0.6403
YIQ	43.1790, 72.1160, 25.6520

Conversions

Conversions Part 2

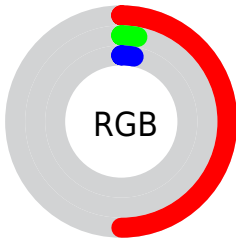
Format	Color
RYB	128, 7, 7
Decimal	8390407
CIELab	26.00, 46.87, 35.67
CIELCh	26, 58.902, 37.269
Yxy	4.7465, 0.6256, 0.3299
Android (android.graphics.Color)	4286580487 (0xFF800707)
YUV	43.1790, -17.8362, 74.3880
Hunter-Lab	21.7865, 35.6238, 13.5079

Details

The CIELCh color **26, 58.902, 37.269** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **48, 29.674, 196.370**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 58.783, 36.998**, and **11, 35.778, 29.053** is the 20% darker color. If you saturate the color by 10%, you get **26, 61.256, 38.359**, and if you desaturate by 10%, it is **27, 53.794, 34.418**.

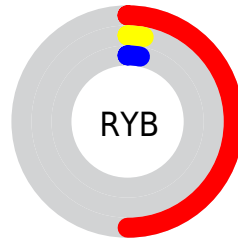
Distribution



Red (50%)

Green (3%)

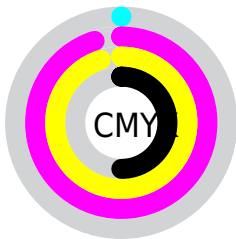
Blue (3%)



Red (50%)

Yellow (3%)

Blue (3%)

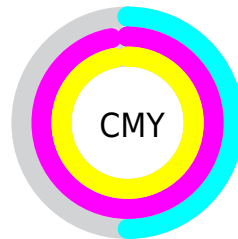


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (50%)



Cyan (50%)

Magenta (97%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 58.902, 37.269 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, 58.902, 37.269 by changing the saturation by 10% instead.

■ 26, 58.902, 37.269

■ 26, 58.902, 37.269

■ 100, 58.902,
37.269

■ 16, 58.902, 37.269

■ 46, 58.902, 37.269

■ 6, 58.902, 37.269

■ 56, 58.902, 37.269

■ 0, 58.902, 37.269

■ 66, 58.902, 37.269

■ 76, 58.902, 37.269

■ 86, 58.902, 37.269

■ 96, 58.902, 37.269

■ 26, 58.902, 37.269

■ 26, 58.902, 37.269

26, 61.256, 38.359

27, 53.794, 34.418

29, 47.360, 31.021

31, 40.488, 28.053

34, 33.497, 25.646

37, 26.607, 23.760

40, 19.978, 22.299

44, 13.707, 21.166

48, 7.842, 20.274

52, 2.389, 19.478

Harmonies

Complementary

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



26, 58.902, 37.269



48, 29.674, 196.370

Rectangle

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



26, 58.902, 37.269



26, 58.902, 87.269



26, 58.902, 217.269



26, 58.902, 267.269

Sweetspot

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



26, 58.900, 37.271



55, 19.547, 21.588



30, 68.081, 327.556



27, 13.781, 22.014



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



26, 58.900, 37.271



34, 75.538, 39.808



35, 48.494, 61.279



25, 2.951, 19.845



25, 61.090, 38.332



0, 0.000, 0.000

Inverse Universe

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



26, 58.900, 37.271



34, 75.538, 39.808



29, 38.480, 278.643



25, 2.951, 19.845



25, 61.090, 38.332



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 26, 58.902, 37.269 looks on a white background.

Color Contrast Check

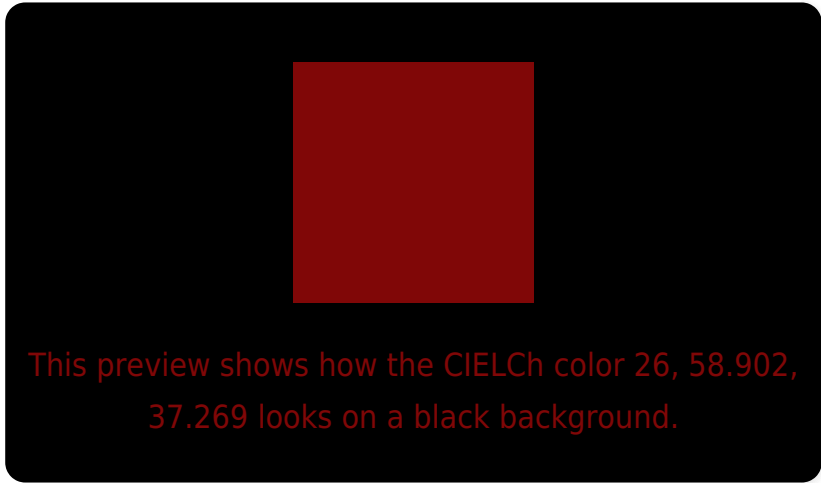
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.902, 37.269

Background



This preview shows how black text looks on a background with the CIELCh color 26, 58.902, 37.269.



This preview shows how white text looks on a background with the CIELCh color 26, 58.902, 37.269.

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, 58.902, 37.269

Protanopia

27, 28.406, 95.878

Deuteranopia

27, 36.605, 84.698



Tritanopia
26, 59.607, 40.216

Trichromacy



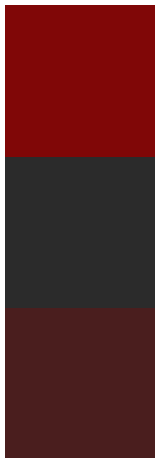
Original Color
26, 58.902, 37.269

Protanomaly
24, 34.412, 54.224

Deuteranomaly
24, 41.485, 54.372

Tritanomaly
26, 59.102, 38.955

Monochromacy



Original Color
26, 58.902, 37.269

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 23.259, 25.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 58.902, 37.269 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(128, 7, 7)` looks like.

```
.text, #text, p{  
    color:rgb(128, 7, 7)  
}
```

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(128, 7, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 7, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 58.902, 37.269 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(128, 7, 7) }
```

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

```
.border{ border-color:rgb(128, 7, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 7, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 7, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(128, 7, 7); box-shadow:4px  
4px 4px 4px rgb(128, 7, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 58.902, 37.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 7, 7) }
```

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

```
.background{ background-color: rgb(128, 7,  
7) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor