

Converting Colors

CIELCh(26, 49.780, 5.605)

Have a look what the booklet for
CIELCh(26, 49.780, 5.605) contains.

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Color

CIELCh(26, 49.727, 5.883)

Conversions

Conversions Part 1

Format	Color
Hex	7E0238
RGB	126, 2, 56
RGB Percent	49%, 1%, 22%
CMY	0.5065, 0.9931, 0.7808
CMYK	0.00, 0.99, 0.56, 0.51
HSL	334°, 97%, 25%
HSV	334°, 99%, 49%
XYZ	9.3119, 4.7465, 4.1519
YIQ	45.2320, 56.5700, 43.0820

Conversions

Conversions Part 2

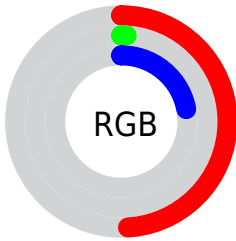
Format	Color
R_{YB}	126, 2, 56
Decimal	8258104
CIE Lab	26.00, 49.47, 5.10
CIE LCh	26, 49.727, 5.883
Yxy	4.7465, 0.5114, 0.2606
Android (android.graphics.Color)	4286448184 (0xFF7E0238)
YUV	45.2320, 5.3086, 70.8335
Hunter-Lab	21.7865, 38.1676, 3.9516

Details

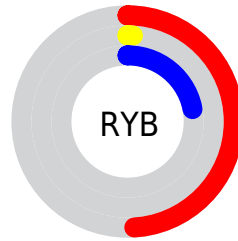
The CIELCh color **26, 49.727, 5.883** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **46, 48.069, 153.678**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 50.052, 5.539**, and **12, 34.942, 21.918** is the 20% darker color. If you saturate the color by 10%, you get **26, 50.029, 6.403**, and if you desaturate by 10%, it is **27, 47.712, 2.094**.

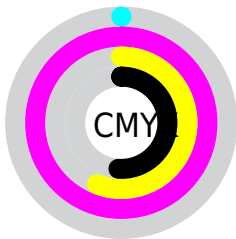
Distribution



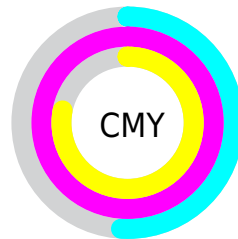
- Red (49%)
- Green (1%)
- Blue (22%)



- Red (49%)
- Yellow (1%)
- Blue (22%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (51%)



- Cyan (51%)
- Magenta (99%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 49.727, 5.883 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, 49.727, 5.883 by changing the saturation by 10% instead.

 26, 49.727, 5.883

 26, 49.727, 5.883

 100, 49.727, 5.883

 16, 49.727, 5.883

 46, 49.727, 5.883

 6, 49.727, 5.883

 56, 49.727, 5.883

 0, 49.727, 5.883

 66, 49.727, 5.883

 76, 49.727, 5.883

 86, 49.727, 5.883

 96, 49.727, 5.883

 26, 49.727, 5.883

 26, 49.727, 5.883

 26, 50.029, 6.403

 27, 47.712, 2.094

■ 29, 44.842,
358.865

■ 31, 40.792,
356.298

■ 33, 35.771,
354.236

■ 36, 30.067,
352.550

■ 39, 23.961,
351.138

■ 42, 17.681,
349.929

■ 46, 11.391,
348.869

■ 50, 5.200, 347.907

Harmonies

Complementary

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



26, 49.727, 5.883



46, 48.069, 153.678

Rectangle

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



26, 49.727, 5.883



26, 49.727, 55.883



26, 49.727, 185.883



26, 49.727, 235.883

Sweetspot

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



26, 49.724, 5.885



54, 22.970, 350.169



19, 72.312, 313.486



26, 15.618, 350.578



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



26, 49.724, 5.885



35, 60.468, 7.648



26, 59.142, 38.970



25, 3.447, 347.956



26, 50.500, 6.472



0, 0.000, 0.000

Inverse Universe

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



26, 49.724, 5.885



35, 60.468, 7.648



45, 27.760, 204.317



25, 3.447, 347.956



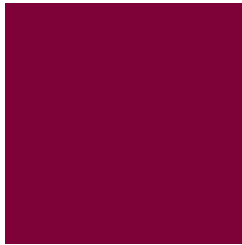
26, 50.500, 6.472



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 26, 49.727, 5.883 looks on a white background.

Color Contrast Check

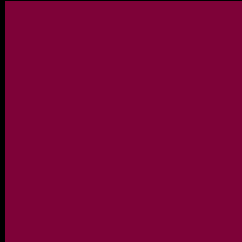
Large Text (above 18pt) WCAG AA ✓ Pass

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 26, 49.727, 5.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

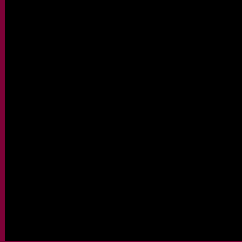
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 49.727, 5.883

Background



This preview shows how black text looks on a background with the CIELCh color 26, 49.727, 5.883.



This preview shows how white text looks on a background with the CIELCh color 26, 49.727, 5.883.

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, 49.727, 5.883

Protanopia

27, 11.084, 286.122

Deuteranopia

27, 9.956, 65.327



Tritanopia
26, 51.030, 33.527

Trichromacy



Original Color
26, 49.727, 5.883

Protanomaly
24, 27.046, 337.735

Deuteranomaly
24, 26.359, 7.865

Tritanomaly
26, 49.584, 24.089

Monochromacy



Original Color
26, 49.727, 5.883

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.107, 353.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 49.727, 5.883 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(126, 2, 56)` looks like.

```
.text, #text, p{  
    color:rgb(126, 2, 56)  
}
```

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(126, 2, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 2, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 49.727, 5.883 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(126, 2, 56) }
```

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

```
.border{ border-color:rgb(126, 2, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 2, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 2, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 2, 56);  
box-shadow:4px 4px 4px 4px rgb(126, 2, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 26, 49.727, 5.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 2, 56) }
```

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

```
.background{ background-color: rgb(126, 2,  
56) }
```

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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