

Converting Colors

CIELCh(16, 41.294, 26.478)

Have a look what the booklet for
CIELCh(16, 41.294, 26.478) contains.

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Color

CIELCh(16, 41.042, 26.419)

Conversions

Conversions Part 1

Format	Color
Hex	57010F
RGB	87, 1, 15
RGB Percent	34%, 0%, 6%
CMY	0.6579, 0.9951, 0.9403
CMYK	0.00, 0.99, 0.83, 0.66
HSL	350°, 97%, 17%
HSV	350°, 99%, 34%
XYZ	4.0533, 2.0993, 0.6520
YIQ	28.3100, 46.7620, 22.5860

Conversions

Conversions Part 2

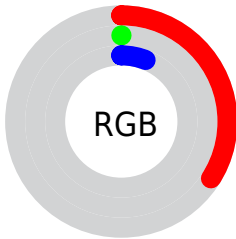
Format	Color
RYB	87, 1, 15
Decimal	5701903
CIELab	16.00, 36.76, 18.26
CIElCh	16, 41.042, 26.419
Yxy	2.0993, 0.5957, 0.3085
Android (android.graphics.Color)	4283891983 (0xFF57010F)
YUV	28.3100, -6.5618, 51.4711
Hunter-Lab	14.4890, 24.5797, 7.4744

Details

The CIELCh color **16, 41.042, 26.419** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 26.549, 176.310**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.314, 26.467**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.518, 26.636**, and if you desaturate by 10%, it is **17, 37.545, 23.475**.

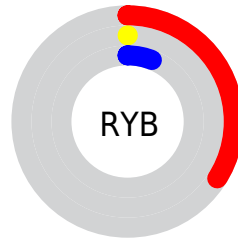
Distribution



Red (34%)

Green (0%)

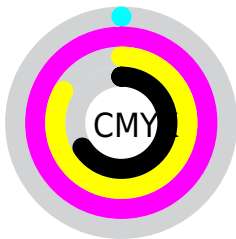
Blue (6%)



Red (34%)

Yellow (0%)

Blue (6%)

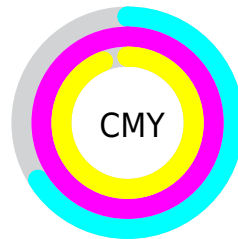


Cyan (0%)

Magenta (99%)

Yellow (83%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.042, 26.419 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 16, 41.042, 26.419 by changing the saturation by 10% instead.

 16, 41.042, 26.419

 16, 41.042, 26.419

 100, 41.042,
26.419

 6, 41.042, 26.419

 36, 41.042, 26.419

 0, 41.042, 26.419

 46, 41.042, 26.419

 56, 41.042, 26.419

 66, 41.042, 26.419

 76, 41.042, 26.419

 86, 41.042, 26.419

 96, 41.042, 26.419

■ 16, 41.042, 26.419

■ 16, 41.042, 26.419

■ 16, 41.518, 26.636

■ 17, 37.545, 23.475

■ 18, 33.813, 19.647

■ 20, 29.686, 16.498

■ 22, 25.280, 13.958

■ 24, 20.738, 11.916

■ 27, 16.191, 10.262

■ 29, 11.738, 8.903

■ 32, 7.446, 7.764

■ 35, 3.349, 6.766

Harmonies

Complementary

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



16, 41.042, 26.419



33, 26.549, 176.310

Rectangle

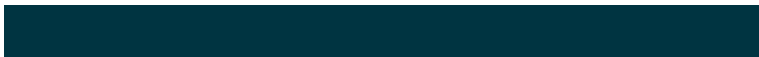
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16, 41.042, 26.419



16, 41.042, 76.419



16, 41.042, 206.419



16, 41.042, 256.419

Sweetspot

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



16, 41.040, 26.421



37, 15.250, 9.203



16, 53.091, 322.335



17, 10.348, 9.530



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 41.040, 26.421



22, 50.745, 29.495



20, 38.300, 49.096



16, 2.175, 6.785



21, 48.930, 29.106



49, 90.198, 32.956

Inverse Universe

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



16, 41.040, 26.421



22, 50.745, 29.495



23, 22.497, 257.281



16, 2.175, 6.785



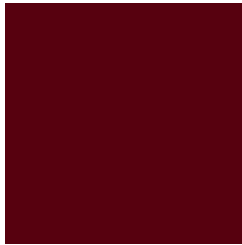
21, 48.930, 29.106



49, 90.198, 32.956

Previews

White Background



This preview shows how the CIELCh color 16, 41.042, 26.419 looks on a white background.

Color Contrast Check

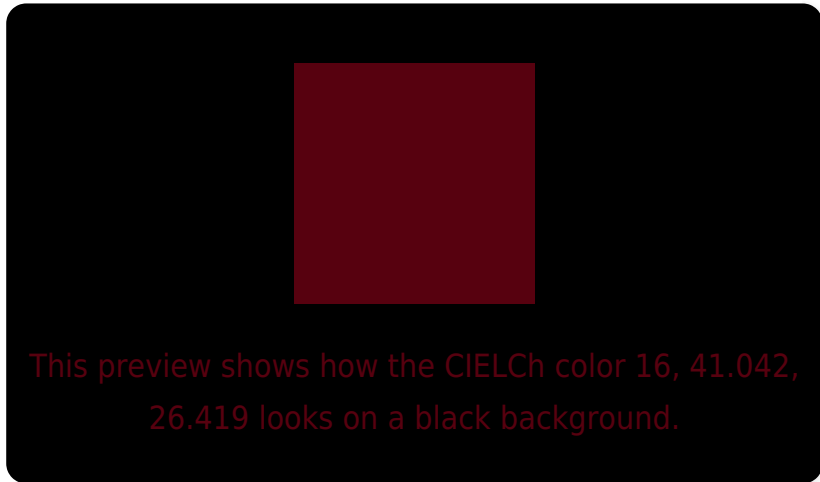
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 41.042, 26.419

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.042, 26.419.



This preview shows how white text looks on a background with the CIELCh color 16, 41.042, 26.419.

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

16, 41.042, 26.419

Protanopia

18, 13.852, 95.395

Deuteranopia

18, 23.165, 84.533



Tritanopia
17, 42.500, 36.716

Trichromacy



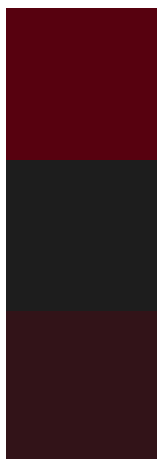
Original Color
16, 41.042, 26.419

Protanomaly
15, 20.600, 37.778

Deuteranomaly
15, 26.288, 46.755

Tritanomaly
16, 41.655, 33.150

Monochromacy



Original Color
16, 41.042, 26.419

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 16.779, 13.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.042, 26.419 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(87, 1, 15)` looks like.

```
.text, #text, p{  
    color:rgb(87, 1, 15)  
}
```

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(87, 1, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 1, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.042, 26.419 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(87, 1, 15) }
```

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

```
.border{ border-color:rgb(87, 1, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 1, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 1, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 1, 15); box-shadow:4px  
4px 4px 4px rgb(87, 1, 15) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.042, 26.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 1, 15) }
```

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

```
.background{ background-color: rgb(87, 1,  
15) }
```

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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