

Converting Colors

CIELCh(18, 15.786, 117.966)

Have a look what the booklet for
CIELCh(18, 15.786, 117.966)
contains.

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Color

CIELCh(18, 16.473, 119.047)

Conversions

Conversions Part 1

Format	Color
Hex	282F17
RGB	40, 47, 23
RGB Percent	16%, 18%, 9%
CMY	0.8442, 0.8167, 0.9108
CMYK	0.15, 0.00, 0.51, 0.82
HSL	78°, 35%, 14%
HSV	78°, 51%, 18%
XYZ	2.0225, 2.5180, 1.1768
YIQ	42.1710, 3.5320, -8.9480

Conversions

Conversions Part 2

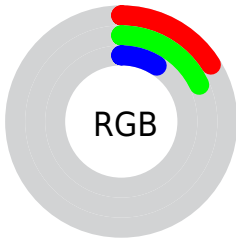
Format	Color
RYB	23, 47, 30
Decimal	2633495
CIELab	18.00, -8.00, 14.40
CIELCh	18, 16.473, 119.047
Yxy	2.5180, 0.3537, 0.4404
Android (android.graphics.Color)	4280823575 (0xFF282F17)
YUV	42.1710, -9.4513, -1.9040
Hunter-Lab	15.8683, -5.0192, 6.7107

Details

The CIELCh color **18, 16.473, 119.047** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 18.034, 304.624**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.669, 118.596**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.467, 118.639**, and if you desaturate by 10%, it is **18, 13.364, 119.508**.

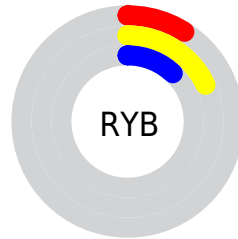
Distribution



Red (16%)

Green (18%)

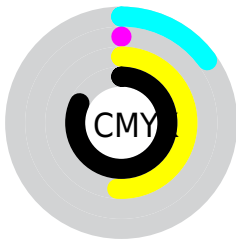
Blue (9%)



Red (9%)

Yellow (18%)

Blue (12%)

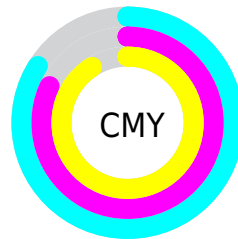


Cyan (15%)

Magenta (0%)

Yellow (51%)

Black (82%)



Cyan (84%)


Magenta (82%)


Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.473, 119.047 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 18, 16.473, 119.047 by changing the saturation by 10% instead.

 18, 16.473,
119.047


 18, 16.473,
119.047


 100, 16.473,
119.047


 8, 16.473, 119.047


 38, 16.473,
119.047

 0, 16.473, 119.047

 48, 16.473,
119.047


 58, 16.473,
119.047


 68, 16.473,
119.047


 78, 16.473,
119.047


 88, 16.473,


119.047


 98, 16.473,
119.047


 18, 16.473,
119.047


 18, 16.473,
119.047

 18, 19.467,
118.639


 18, 13.364,
119.508

 18, 22.099,
118.573

 18, 10.179,
119.990

 17, 24.241,
118.902

 19, 6.948, 120.480

 17, 26.264,
119.289

 19, 3.692, 120.968

 17, 28.031,
119.600

 19, 0.428, 121.475

 20, 2.834, 301.886

■ 20, 6.086, 302.324

■ 20, 9.319, 302.737

■ 21, 12.530,
303.127

Harmonies

Complementary

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



18, 16.473, 119.047



10, 18.034, 304.624

Rectangle

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



18, 16.473, 119.047



18, 16.473, 169.047



18, 16.473, 299.047



18, 16.473, 349.047

Sweetspot

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



18, 16.474, 119.049



25, 6.138, 120.747



13, 10.900, 47.592



11, 4.088, 120.738



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 16.474, 119.049



24, 24.551, 118.485



17, 18.764, 135.988



8, 1.654, 121.852



34, 46.170, 118.413



79, 89.470, 119.625

Inverse Universe

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



10, 18.034, 304.624



11, 27.754, 305.726



11, 19.139, 320.124



7, 1.654, 301.141



8, 58.708, 308.948



29, 114.135, 308.137

Previews

White Background



This preview shows how the CIELCh color 18, 16.473, 119.047 looks on a white background.

Color Contrast Check

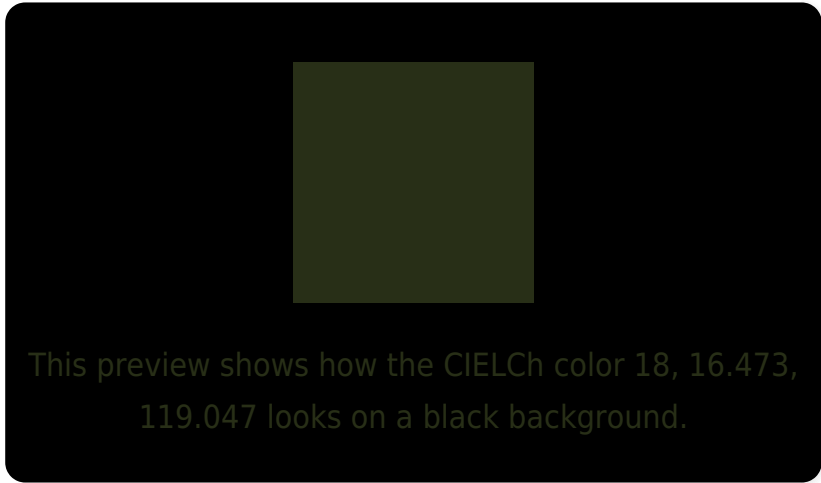
Large Text (above 18pt) WCAG AA ✓ Pass

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

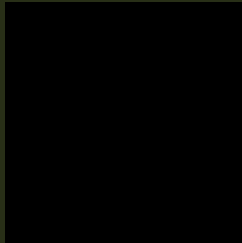
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

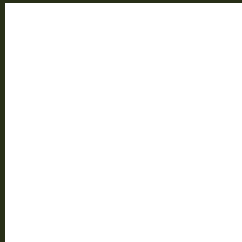
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 16.473, 119.047

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.473, 119.047.

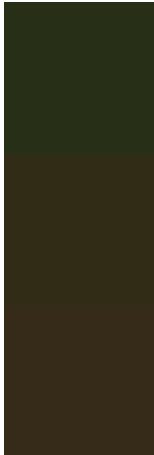


This preview shows how white text looks on a background with the CIELCh color 18, 16.473, 119.047.

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

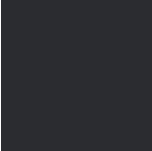
18, 16.473, 119.047

Protanopia

18, 15.134, 95.933

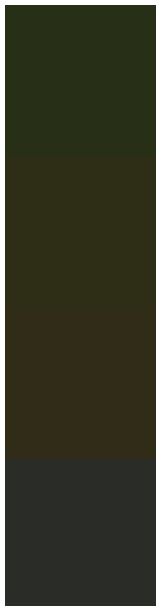
Deuteranopia

18, 14.084, 79.125



Tritanopia
18, 2.792, 281.443

Trichromacy



Original Color

18, 16.473, 119.047

Protanomaly

18, 15.473, 104.197

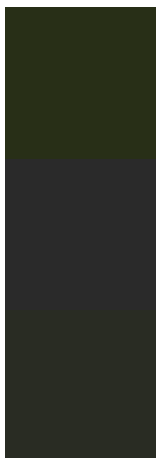
Deuteranomaly

18, 13.852, 95.395

Tritanomaly

18, 4.386, 128.597

Monochromacy



Original Color

18, 16.473, 119.047

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 6.379, 122.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.473, 119.047 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(40, 47, 23)` looks like.

```
.text, #text, p{  
    color:rgb(40, 47, 23)  
}
```

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(40, 47, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 47, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.473, 119.047 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(40, 47, 23) }
```

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

```
.border{ border-color:rgb(40, 47, 23) }
```

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

Here you see how a box with a 4 pixel rgb(40, 47, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 47, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 47, 23);  
box-shadow:4px 4px 4px 4px rgb(40, 47, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.473, 119.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 47, 23) }
```

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

```
.background{ background-color: rgb(40, 47,  
23) }
```

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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