

Converting Colors

CIELCh(19, 16.315, 117.338)

Have a look what the booklet for
CIELCh(19, 16.315, 117.338)
contains.

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Color

CIELCh(19, 16.274, 117.376)

Conversions

Conversions Part 1

Format	Color
Hex	2B3119
RGB	43, 49, 25
RGB Percent	17%, 19%, 10%
CMY	0.8326, 0.8090, 0.9031
CMYK	0.12, 0.00, 0.49, 0.81
HSL	75°, 33%, 14%
HSV	75°, 49%, 19%
XYZ	2.2412, 2.7468, 1.3156
YIQ	44.4700, 4.1280, -8.7360

Conversions

Conversions Part 2

Format	Color
R_{YB}	25, 49, 31
Decimal	2830617
CIE Lab	19.00, -7.48, 14.45
CIE LCh	19, 16.274, 117.376
Yxy	2.7468, 0.3555, 0.4358
Android (android.graphics.Color)	4281020697 (0xFF2B3119)
YUV	44.4700, -9.5987, -1.2892
Hunter-Lab	16.5735, -4.8654, 6.8951

Details

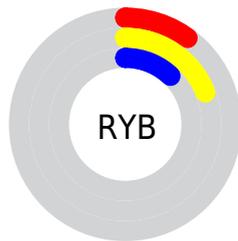
The CIELCh color **19, 16.274, 117.376** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 17.837, 303.202**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.525, 117.108**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 19.368, 116.922**, and if you desaturate by 10%, it is **19, 13.066, 117.878**.

Distribution



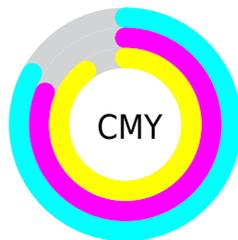
- Red (17%)
- Green (19%)
- Blue (10%)



- Red (10%)
- Yellow (19%)
- Blue (12%)



- Cyan (12%)
- Magenta (0%)
- Yellow (49%)
- Black (81%)



- Cyan (83%)
- Magenta (81%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.274, 117.376 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 19, 16.274, 117.376 by changing the saturation by 10% instead.

■ 19, 16.274,
117.376

■ 19, 16.274,
117.376

■ 100, 16.274,
117.376

■ 9, 16.274, 117.376

■ 39, 16.274,
117.376

■ 0, 16.274, 117.376

■ 49, 16.274,
117.376

■ 59, 16.274,
117.376

■ 69, 16.274,
117.376

■ 79, 16.274,
117.376

■ 89, 16.274,

117.376

 99, 16.274,
117.376

 19, 16.274,
117.376

 19, 16.274,
117.376

 19, 19.368,
116.922

 19, 13.066,
117.878

 19, 22.235,
116.610

 19, 9.784, 118.400

 18, 24.573,
116.723

 20, 6.456, 118.928

 18, 26.634,
117.009

 20, 3.104, 119.452

 18, 28.706,
117.281

 20, 3.616, 300.445

■ 18, 28.863,
117.301

■ 21, 6.964, 300.916

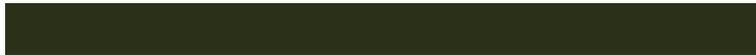
■ 21, 10.295,
301.363

■ 21, 13.604,
301.786

Harmonies

Complementary

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



19, 16.274, 117.376



10, 17.837, 303.202

Rectangle

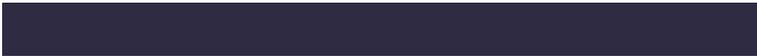
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19, 16.274, 117.376



19, 16.274, 167.376



19, 16.274, 297.376



19, 16.274, 347.376

Sweetspot

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



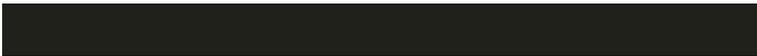
19, 16.275, 117.378



26, 6.313, 119.108



14, 10.923, 44.274



12, 4.353, 119.084



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 16.275, 117.378



25, 24.088, 116.796



18, 18.473, 135.149



9, 1.927, 119.515



35, 46.616, 116.468



80, 89.179, 117.524

Inverse Universe

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



10, 17.837, 303.202



12, 27.237, 304.333



12, 18.912, 319.036



8, 1.956, 300.307



8, 60.341, 308.364



29, 115.918, 307.656

Previews

White Background



This preview shows how the CIE LCh color 19, 16.274, 117.376 looks on a white background.

Color Contrast Check

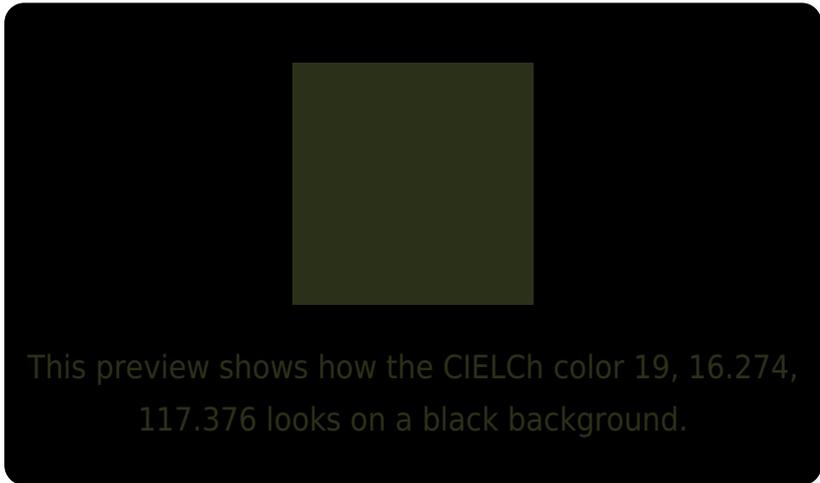
Large Text (above 18pt) WCAG AA ✓ Pass

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 19, 16.274, 117.376

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.274, 117.376.



This preview shows how white text looks on a background with the CIELCh color 19, 16.274, 117.376.

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

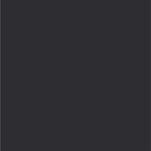
19, 16.274, 117.376

Protanopia

19, 15.050, 96.103

Deuteranopia

19, 13.980, 79.316



Tritanopia
19, 2.744, 290.856

Trichromacy



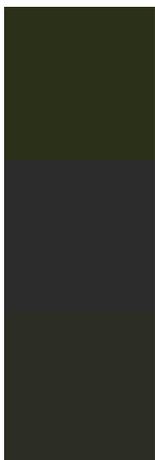
Original Color
19, 16.274, 117.376

Protanomaly
19, 15.395, 104.332

Deuteranomaly
19, 13.770, 95.555

Tritanomaly
19, 4.212, 122.487

Monochromacy



Original Color
19, 16.274, 117.376

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.231, 117.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.274, 117.376 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(43, 49, 25)` looks like.

```
.text, #text, p{  
    color:rgb(43, 49, 25)  
}
```

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(43, 49, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 49, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.274, 117.376 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(43, 49, 25) }
```

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

```
.border{ border-color:rgb(43, 49, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 49, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 49, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 49, 25);  
box-shadow:4px 4px 4px 4px rgb(43, 49, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.274, 117.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 49, 25) }
```

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

```
.background{ background-color: rgb(43, 49,  
25) }
```

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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