

Converting Colors

CIELCh(19, 14.721, 65.513)

Have a look what the booklet for
CIELCh(19, 14.721, 65.513) contains.

CIELCh(19, 14.827, 63.415)	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(19, 14.827, 63.415)

Conversions

Conversions Part 1

Format	Color
Hex	3D2A1B
RGB	61, 42, 27
RGB Percent	24%, 16%, 11%
CMY	0.7600, 0.8346, 0.8935
CMYK	0.00, 0.31, 0.56, 0.76
HSL	26°, 39%, 17%
HSV	26°, 56%, 24%
XYZ	2.9706, 2.7468, 1.4208
YIQ	45.9710, 16.1390, -0.6370

Conversions

Conversions Part 2

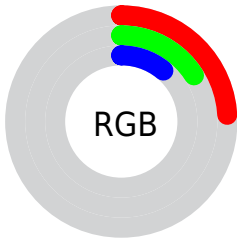
Format	Color
RYB	61, 54, 27
Decimal	4008475
CIELab	19.00, 6.64, 13.26
CIELCh	19, 14.827, 63.415
Yxy	2.7468, 0.4162, 0.3848
Android (android.graphics.Color)	4282198555 (0xFF3D2A1B)
YUV	45.9710, -9.3527, 13.1804
Hunter-Lab	16.5735, 2.9906, 6.5187

Details

The CIELCh color **19, 14.827, 63.415** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 12.195, 257.423**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 15.104, 63.182**, and **0, 1.386, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.908, 62.487**, and if you desaturate by 10%, it is **20, 11.862, 64.359**.

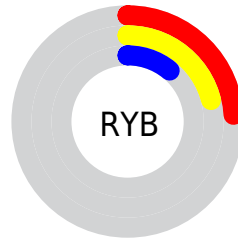
Distribution



Red (24%)

Green (16%)

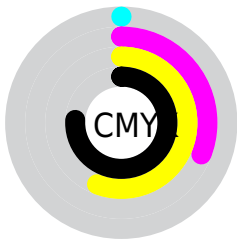
Blue (11%)



Red (24%)

Yellow (21%)

Blue (11%)

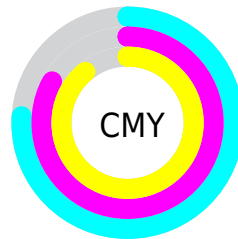


Cyan (0%)

Magenta (31%)

Yellow (56%)

Black (76%)



Cyan (76%)

Magenta (83%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 14.827, 63.415 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, 14.827, 63.415 by changing the saturation by 10% instead.

 19, 14.827, 63.415

 19, 14.827, 63.415

 100, 14.827,
63.415

 9, 14.827, 63.415

 39, 14.827, 63.415

 0, 14.827, 63.415

 49, 14.827, 63.415

 59, 14.827, 63.415

 69, 14.827, 63.415

 79, 14.827, 63.415

 89, 14.827, 63.415

 99, 14.827, 63.415

■ 19, 14.827, 63.415

■ 19, 14.827, 63.415

■ 18, 17.908, 62.487

■ 20, 11.862, 64.359

■ 17, 20.829, 61.180

■ 21, 9.030, 65.310

■ 16, 23.055, 58.866

■ 23, 6.332, 66.270

■ 15, 25.087, 56.617

■ 24, 3.765, 67.225

■ 14, 25.988, 55.779

■ 25, 1.318, 68.110

■ 26, 1.016, 249.389

■ 28, 3.250, 250.221

■ 29, 5.393, 251.135

■ 30, 7.454, 252.038

Harmonies

Complementary

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



19, 14.827, 63.415



18, 12.195, 257.423

Rectangle

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



19, 14.827, 63.415



19, 14.827, 113.415



19, 14.827, 243.415



19, 14.827, 293.415

Sweetspot

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



19, 14.827, 63.420



31, 5.104, 67.022



15, 20.244, 344.847



15, 3.450, 66.969



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 14.827, 63.420



24, 22.854, 62.078



24, 20.370, 102.416



11, 1.316, 67.882



24, 40.265, 57.531



56, 79.111, 55.521

Inverse Universe

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



18, 12.195, 257.423



22, 17.783, 261.185



12, 22.864, 294.613



11, 1.286, 249.745



21, 29.241, 274.131



51, 58.302, 278.284

Previews

White Background



This preview shows how the CIE LCh color 19, 14.827, 63.415 looks on a white background.

Color Contrast Check

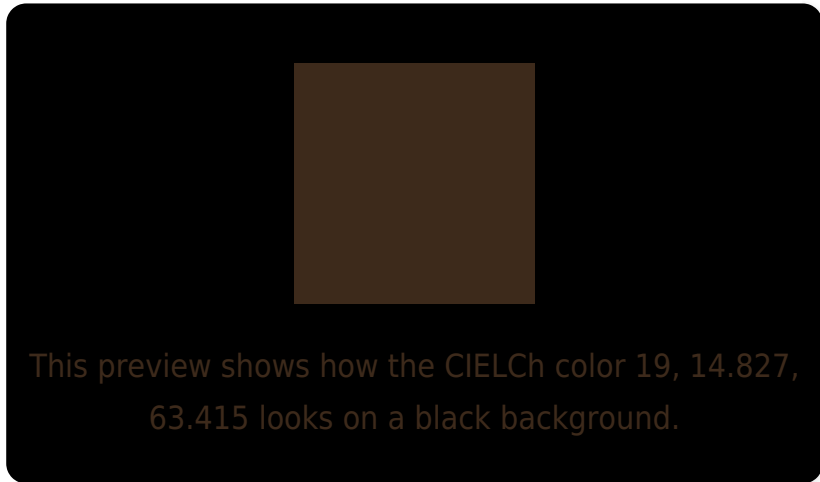
Large Text (above 18pt) WCAG AA ✓ Pass

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

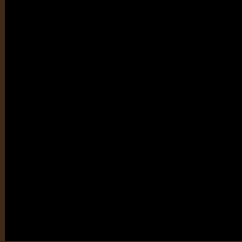
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 14.827, 63.415

Background



This preview shows how black text looks on a background with the CIELCh color 19, 14.827, 63.415.

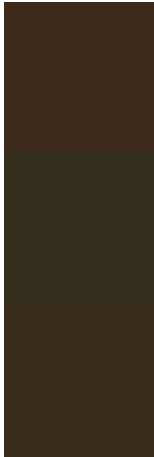


This preview shows how white text looks on a background with the CIELCh color 19, 14.827, 63.415.

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, 14.827, 63.415

Protanopia

19, 11.828, 94.366

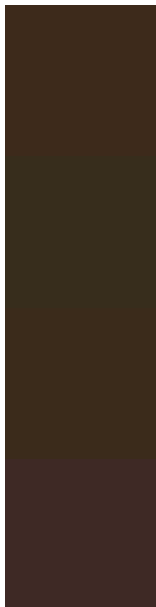
Deuteranopia

19, 13.672, 76.313



Tritanopia
19, 11.065, 11.561

Trichromacy



Original Color
19, 14.827, 63.415

Protanomaly
19, 12.803, 82.520

Deuteranomaly
19, 14.148, 69.574

Tritanomaly
19, 11.278, 35.519

Monochromacy



Original Color
19, 14.827, 63.415

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.417, 68.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 14.827, 63.415 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(61, 42, 27)` looks like.

```
.text, #text, p{  
    color:rgb(61, 42, 27)  
}
```

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(61, 42, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 42, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 14.827, 63.415 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(61, 42, 27) }
```

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

```
.border{ border-color:rgb(61, 42, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 42, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 42, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 42, 27);  
box-shadow:4px 4px 4px 4px rgb(61, 42, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 14.827, 63.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 42, 27) }
```

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

```
.background{ background-color: rgb(61, 42,  
27) }
```

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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