

Converting Colors

CIELCh(19, 14.402, 68.493)

Have a look what the booklet for
CIELCh(19, 14.402, 68.493) contains.

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Color

CIELCh(19, 14.515, 67.949)

Conversions

Conversions Part 1

Format	Color
Hex	3C2B1B
RGB	60, 43, 27
RGB Percent	24%, 17%, 11%
CMY	0.7655, 0.8321, 0.8948
CMYK	0.00, 0.28, 0.55, 0.77
HSL	29°, 38%, 17%
HSV	29°, 55%, 23%
XYZ	2.9040, 2.7468, 1.4033
YIQ	46.2590, 15.2680, -1.3720

Conversions

Conversions Part 2

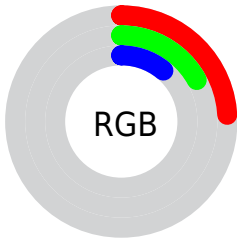
Format	Color
R_{YB}	60, 58, 27
Decimal	3943195
CIE _{Lab}	19.00, 5.45, 13.45
CIE _{LCh}	19, 14.515, 67.949
Yxy	2.7468, 0.4117, 0.3894
Android (android.graphics.Color)	4282133275 (0xFF3C2B1B)
YUV	46.2590, -9.4947, 12.0509
Hunter-Lab	16.5735, 2.2732, 6.5813

Details

The CIELCh color **19, 14.515, 67.949** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 12.470, 262.557**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 14.382, 65.757**, and **0, 1.109, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.486, 66.878**, and if you desaturate by 10%, it is **20, 11.635, 69.018**.

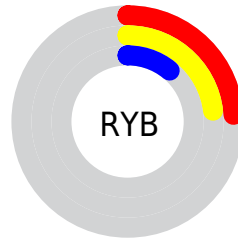
Distribution



Red (24%)

Green (17%)

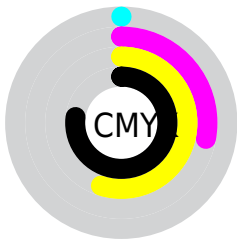
Blue (11%)



Red (24%)

Yellow (23%)

Blue (11%)

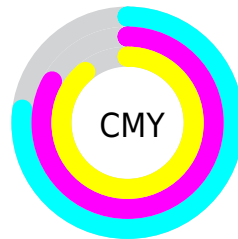


Cyan (0%)

Magenta (28%)

Yellow (55%)

Black (77%)



Cyan (77%)

Magenta (83%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 14.515, 67.949 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, 14.515, 67.949 by changing the saturation by 10% instead.

 19, 14.515, 67.949

 19, 14.515, 67.949

 100, 14.515,
67.949

 9, 14.515, 67.949

 39, 14.515, 67.949

 0, 14.515, 67.949

 49, 14.515, 67.949

 59, 14.515, 67.949

 69, 14.515, 67.949

 79, 14.515, 67.949

 89, 14.515, 67.949

 99, 14.515, 67.949

■ 19, 14.515, 67.949

■ 19, 14.515, 67.949

■ 18, 17.486, 66.878

■ 20, 11.635, 69.018

■ 17, 20.276, 65.473

■ 21, 8.863, 70.078

■ 16, 22.366, 63.193

■ 22, 6.205, 71.130

■ 15, 24.257, 60.953

■ 23, 3.657, 72.165

■ 15, 25.185, 60.013

■ 25, 1.215, 73.117

■ 26, 1.131, 254.418

■ 27, 3.389, 255.325

■ 28, 5.567, 256.282

■ 29, 7.673, 257.221

Harmonies

Complementary

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



19, 14.515, 67.949



17, 12.470, 262.557

Rectangle

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



19, 14.515, 67.949



19, 14.515, 117.949



19, 14.515, 247.949



19, 14.515, 297.949

Sweetspot

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



19, 14.515, 67.954



30, 5.072, 71.900



15, 19.160, 347.664



14, 3.332, 71.866



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 14.515, 67.954



24, 21.904, 66.471



24, 20.714, 104.896



11, 1.347, 72.826



25, 39.847, 61.254



58, 77.431, 58.885

Inverse Universe

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



17, 12.470, 262.557



21, 18.093, 266.112



12, 23.503, 296.404



11, 1.324, 254.779



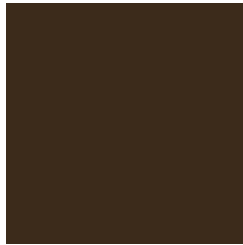
20, 31.806, 279.204



49, 63.819, 283.151

Previews

White Background



This preview shows how the CIE LCh color 19, 14.515, 67.949 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 CIELCh color 19, 14.515, 67.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

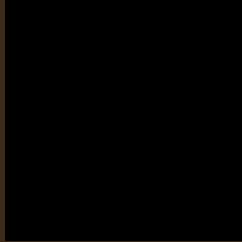
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 14.515, 67.949

Background



This preview shows how black text looks on a background with the CIELCh color 19, 14.515, 67.949.

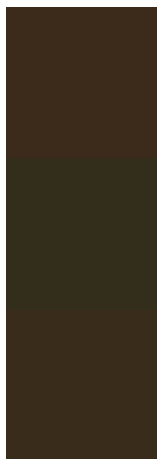


This preview shows how white text looks on a background with the CIELCh color 19, 14.515, 67.949.

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, 14.515, 67.949

Protanopia

19, 12.478, 94.822

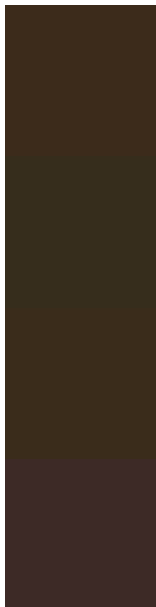
Deuteranopia

19, 13.672, 76.313



Tritanopia
19, 10.037, 10.167

Trichromacy



Original Color
19, 14.515, 67.949

Protanomaly
19, 12.570, 84.729

Deuteranomaly
19, 13.982, 74.448

Tritanomaly
19, 10.205, 36.728

Monochromacy



Original Color
19, 14.515, 67.949

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.096, 72.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 14.515, 67.949 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(60, 43, 27)` looks like.

```
.text, #text, p{  
    color:rgb(60, 43, 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(60, 43, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 43, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 14.515, 67.949 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(60, 43, 27) }
```

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

```
.border{ border-color:rgb(60, 43, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 43, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 43, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 43, 27);  
box-shadow:4px 4px 4px 4px rgb(60, 43, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 14.515, 67.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 43, 27) }
```

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

```
.background{ background-color: rgb(60, 43,  
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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