

Converting Colors

CIELCh(19, 18.511, 21.685)

Have a look what the booklet for
CIELCh(19, 18.511, 21.685) contains.

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Color

CIELCh(19, 18.509, 22.068)

Conversions

Conversions Part 1

Format	Color
Hex	482425
RGB	72, 36, 37
RGB Percent	28%, 14%, 15%
CMY	0.7187, 0.8598, 0.8558
CMYK	0.00, 0.50, 0.49, 0.72
HSL	358°, 33%, 21%
HSV	358°, 50%, 28%
XYZ	3.6064, 2.7468, 2.0714
YIQ	46.8780, 21.1350, 7.9430

Conversions

Conversions Part 2

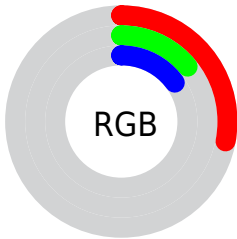
Format	Color
R_{YB}	72, 36, 37
Decimal	4727845
CIE Lab	19.00, 17.15, 6.95
CIE LCh	19, 18.509, 22.068
Yxy	2.7468, 0.4281, 0.3260
Android (android.graphics.Color)	4282917925 (0xFF482425)
YUV	46.8780, -4.8699, 22.0320
Hunter-Lab	16.5735, 9.8378, 4.1911

Details

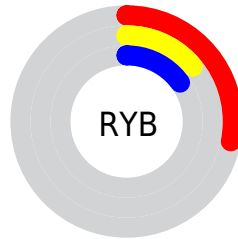
The CIELCh color **19, 18.509, 22.068** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 13.650, 194.547**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 18.498, 20.333**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.713, 23.947**, and if you desaturate by 10%, it is **21, 14.415, 20.580**.

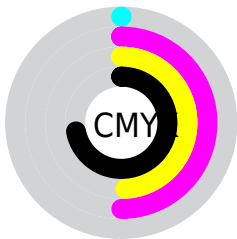
Distribution



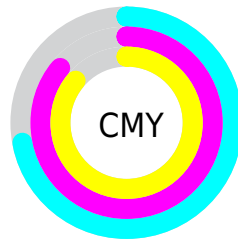
- Red (28%)
- Green (14%)
- Blue (15%)



- Red (28%)
- Yellow (14%)
- Blue (15%)



- Cyan (0%)
- Magenta (50%)
- Yellow (49%)
- Black (72%)



- Cyan (72%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 18.509, 22.068 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, 18.509, 22.068 by changing the saturation by 10% instead.

19, 18.509, 22.068

19, 18.509, 22.068

100, 18.509,
22.068

9, 18.509, 22.068

0, 18.509, 22.068

39, 18.509, 22.068

49, 18.509, 22.068

59, 18.509, 22.068

69, 18.509, 22.068

79, 18.509, 22.068

89, 18.509, 22.068

99, 18.509, 22.068

■ 19, 18.509, 22.068

■ 19, 18.509, 22.068

■ 17, 22.713, 23.947

■ 21, 14.415, 20.580

■ 15, 26.940, 26.288

■ 23, 10.497, 19.392

■ 14, 30.813, 28.259

■ 26, 6.790, 18.433

■ 13, 33.832, 28.939

■ 28, 3.306, 17.631

■ 12, 36.718, 28.796

■ 30, 0.046, 11.320

■ 33, 3.003, 196.667

■ 35, 5.855, 196.199

■ 38, 8.529, 195.827

■ 40, 11.043,
195.516

Harmonies

Complementary

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



19, 18.509, 22.068



28, 13.650, 194.547

Rectangle

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



19, 18.509, 22.068



19, 18.509, 72.068



19, 18.509, 202.068



19, 18.509, 252.068

Sweetspot

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



19, 18.508, 22.071



36, 6.251, 18.056



20, 27.675, 325.809



17, 4.316, 18.143



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 18.508, 22.071



23, 28.569, 24.443



24, 15.187, 66.436



13, 1.800, 17.511



19, 48.827, 34.521



47, 94.610, 39.118

Inverse Universe

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



19, 18.508, 22.071



23, 28.569, 24.443



22, 12.974, 259.633



13, 1.800, 17.511



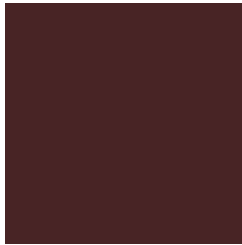
19, 48.827, 34.521



47, 94.610, 39.118

Previews

White Background



This preview shows how the CIE LCh color 19, 18.509, 22.068 looks on a white background.

Color Contrast Check

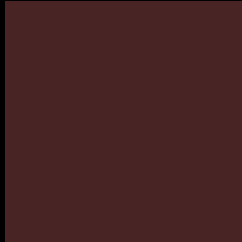
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.509, 22.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

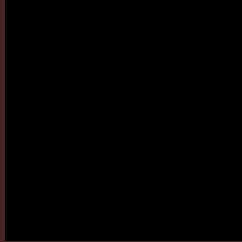
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 18.509, 22.068

Background



This preview shows how black text looks on a background with the CIELCh color 19, 18.509, 22.068.



This preview shows how white text looks on a background with the CIELCh color 19, 18.509, 22.068.

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, 18.509, 22.068

Protanopia

19, 3.535, 93.291

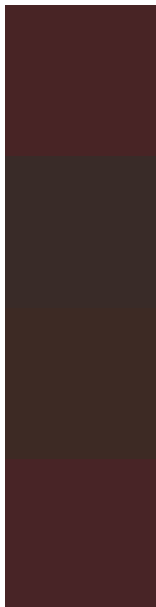
Deuteranopia

19, 8.619, 71.578



Tritanopia
19, 18.393, 20.011

Trichromacy



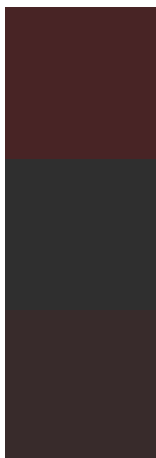
Original Color
19, 18.509, 22.068

Protanomaly
19, 7.387, 36.789

Deuteranomaly
19, 10.806, 43.286

Tritanomaly
19, 18.393, 20.011

Monochromacy



Original Color
19, 18.509, 22.068

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.419, 20.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 18.509, 22.068 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(72, 36, 37)` looks like.

```
.text, #text, p{  
    color:rgb(72, 36, 37)  
}
```

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(72, 36, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 36, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 18.509, 22.068 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(72, 36, 37) }
```

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

```
.border{ border-color:rgb(72, 36, 37) }
```

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

Here you see how a box with a 4 pixel rgb(72, 36, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 36, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 36, 37);  
box-shadow:4px 4px 4px 4px rgb(72, 36, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 18.509, 22.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 36, 37) }
```

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

```
.background{ background-color: rgb(72, 36,  
37) }
```

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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