

Converting Colors

CIELCh(30, 19.429, 0.887)

Have a look what the booklet for
CIELCh(30, 19.429, 0.887) contains.

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Color

CIELCh(30, 19.445, 0.439)

Conversions

Conversions Part 1

Format	Color
Hex	633B47
RGB	99, 59, 71
RGB Percent	39%, 23%, 28%
CMY	0.6118, 0.7686, 0.7216
CMYK	0.00, 0.40, 0.28, 0.61
HSL	342°, 25%, 31%
HSV	342°, 40%, 39%
XYZ	7.8474, 6.2359, 6.7516
YIQ	72.3280, 19.9880, 12.2120

Conversions

Conversions Part 2

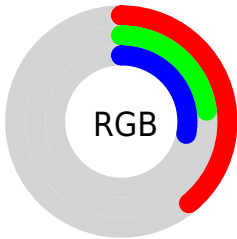
Format	Color
RYB	99, 59, 71
Decimal	6503239
CIELab	30.00, 19.44, 0.15
CIElCh	30, 19.445, 0.439
Yxy	6.2359, 0.3766, 0.2993
Android (android.graphics.Color)	4284693319 (0xFF633B47)
YUV	72.3280, -0.6547, 23.3913
Hunter-Lab	24.9718, 12.3930, 1.4500




Details

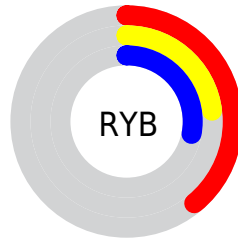
The CIELCh color **30, 19.445, 0.439** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **39, 17.367, 172.111**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **50, 19.420, 1.003**, and **10, 19.743, 0.178** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.368, 2.098**, and if you desaturate by 10%, it is **33, 14.472, 359.056**.

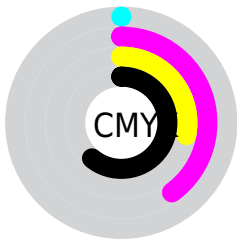
Distribution







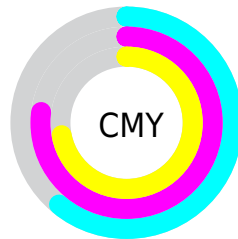
-  Red (39%)
-  Green (23%)
-  Blue (28%)






-  Red (39%)
-  Yellow (23%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (40%)
-  Yellow (28%)
-  Black (61%)



-  Cyan (61%)
-  Magenta (77%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 19.445, 0.439 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 30, 19.445, 0.439 by changing the saturation by 10% instead.

■ 30, 19.445, 0.439

■ 30, 19.445, 0.439

■ 100, 19.445, 0.439

■ 20, 19.445, 0.439

■ 50, 19.445, 0.439

■ 10, 19.445, 0.439

■ 60, 19.445, 0.439

■ 0, 19.445, 0.439

■ 70, 19.445, 0.439

■ 80, 19.445, 0.439

■ 90, 19.445, 0.439

■ 30, 19.445, 0.439

■ 30, 19.445, 0.439

■ 27, 24.368, 2.098

■ 33, 14.472,
359.056

■ 25, 29.091, 4.118

■ 23, 33.422, 6.621

■ 36, 9.563, 357.873

■ 21, 37.170, 9.745

■ 39, 4.788, 356.829

■ 20, 40.211, 13.621

■ 42, 0.184, 354.440

■ 19, 43.076, 17.392

■ 45, 4.231, 175.276

■ 48, 8.455, 174.532

■ 51, 12.494,
173.879

■ 54, 16.358,
173.288

■ 58, 20.061,
172.747

Harmonies

Complementary

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



30, 19.445, 0.439



39, 17.367, 172.111

Rectangle

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



30, 19.445, 0.439



30, 19.445, 50.439



30, 19.445, 180.439



30, 19.445, 230.439

Sweetspot

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



30, 19.443, 0.441



49, 6.826, 357.025



30, 27.797, 317.346



24, 4.494, 357.102



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



30, 19.443, 0.441



36, 28.570, 1.912



32, 16.426, 39.371



18, 2.529, 356.673



22, 47.230, 18.308



51, 84.152, 22.147

Inverse Universe

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



30, 19.443, 0.441



36, 28.570, 1.912



37, 12.533, 221.514



18, 2.529, 356.673



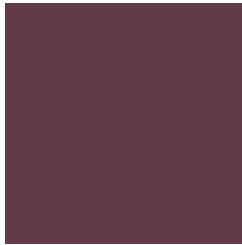
22, 47.230, 18.308



51, 84.152, 22.147

Previews

White Background



This preview shows how the CIELCh color 30, 19.445, 0.439 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 CIE LCh color 30, 19.445, 0.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

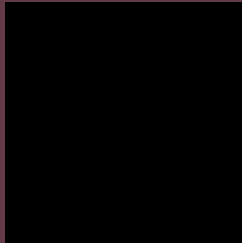
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.445, 0.439

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.445, 0.439.



This preview shows how white text looks on a background with the CIELCh color 30, 19.445, 0.439.

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

30, 19.445, 0.439

Protanopia

30, 4.490, 285.617

Deuteranopia

30, 4.514, 20.091



Tritanopia
30, 17.914, 12.750

Trichromacy



Original Color

30, 19.445, 0.439

Protanomaly

30, 8.014, 341.225

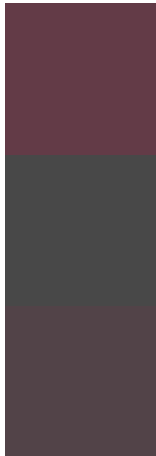
Deuteranomaly

30, 10.012, 2.722

Tritanomaly

30, 17.987, 8.742

Monochromacy



Original Color

30, 19.445, 0.439

Achromatopsia

31, 0.005, 296.813

Achromatomaly

30, 7.422, 355.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.445, 0.439 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(99, 59, 71)` looks like.

```
.text, #text, p{  
    color:rgb(99, 59, 71)  
}
```

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(99, 59, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 59, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.445, 0.439 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(99, 59, 71) }
```

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

```
.border{ border-color:rgb(99, 59, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 59, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 59, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 59, 71);  
box-shadow:4px 4px 4px 4px rgb(99, 59, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.445, 0.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 59, 71) }
```

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

```
.background{ background-color: rgb(99, 59,  
71) }
```

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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