

Converting Colors

CIELCh(19, 19.890, 10.239)

Have a look what the booklet for
CIELCh(19, 19.890, 10.239) contains.

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Color

CIELCh(19, 19.779, 9.336)

Conversions

Conversions Part 1

Format	Color
Hex	49222A
RGB	73, 34, 42
RGB Percent	29%, 13%, 16%
CMY	0.7130, 0.8660, 0.8346
CMYK	0.00, 0.53, 0.42, 0.71
HSL	348°, 36%, 21%
HSV	348°, 53%, 29%
XYZ	3.7608, 2.7468, 2.5387
YIQ	46.5730, 20.6760, 10.7560

Conversions

Conversions Part 2

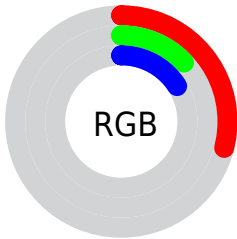
Format	Color
RYB	73, 34, 42
Decimal	4792874
CIELab	19.00, 19.52, 3.21
CIELCh	19, 19.779, 9.336
Yxy	2.7468, 0.4157, 0.3036
Android (android.graphics.Color)	4282982954 (0xFF49222A)
YUV	46.5730, -2.2545, 23.1765
Hunter-Lab	16.5735, 11.5005, 2.5197

Details

The CIELCh color **19, 19.779, 9.336** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 16.141, 178.141**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 19.391, 9.934**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **17, 23.589, 11.444**, and if you desaturate by 10%, it is **21, 15.889, 7.621**.

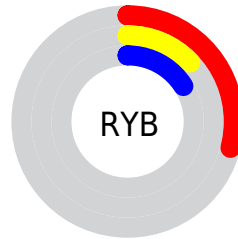
Distribution



Red (29%)

Green (13%)

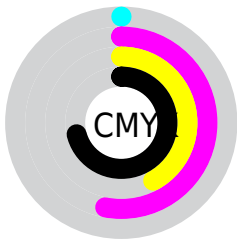
Blue (16%)



Red (29%)

Yellow (13%)

Blue (16%)

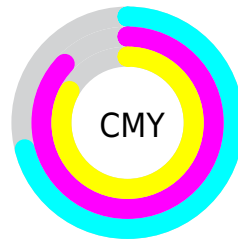


Cyan (0%)

Magenta (53%)

Yellow (42%)

Black (71%)



Cyan (71%)

Magenta (87%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 19.779, 9.336 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, 19.779, 9.336 by changing the saturation by 10% instead.

 19, 19.779, 9.336  19, 19.779, 9.336

 100, 19.779, 9.336  9, 19.779, 9.336

 39, 19.779, 9.336  0, 19.779, 9.336

 49, 19.779, 9.336

 59, 19.779, 9.336

 69, 19.779, 9.336

 79, 19.779, 9.336

 89, 19.779, 9.336

 99, 19.779, 9.336

 19, 19.779, 9.336  19, 19.779, 9.336

17, 23.589, 11.444

21, 15.889, 7.621

16, 27.201, 14.044

23, 12.022, 6.199

14, 30.497, 17.250

26, 8.246, 5.002

13, 33.530, 20.393

28, 4.604, 3.967

12, 35.584, 21.325

30, 1.118, 2.926

33, 2.204, 182.496

35, 5.363, 181.753

38, 8.368, 181.132

40, 11.228,
180.579

Harmonies

Complementary

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



19, 19.779, 9.336



28, 16.141, 178.141

Rectangle

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



19, 19.779, 9.336



19, 19.779, 59.336



19, 19.779, 189.336



19, 19.779, 239.336

Sweetspot

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



19, 19.778, 9.338



35, 6.884, 4.294



19, 28.846, 320.330



17, 4.697, 4.392



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, 19.778, 9.338



23, 29.423, 12.188



22, 16.863, 47.487



13, 1.868, 3.506



19, 45.142, 25.444



48, 85.415, 29.879

Inverse Universe

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



19, 19.778, 9.338



23, 29.423, 12.188



25, 12.230, 235.058



13, 1.868, 3.506



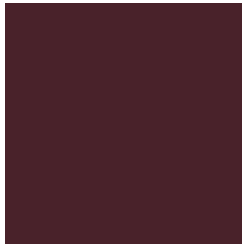
19, 45.142, 25.444



48, 85.415, 29.879

Previews

White Background



This preview shows how the CIELCh color 19, 19.779, 9.336 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 19, 19.779, 9.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

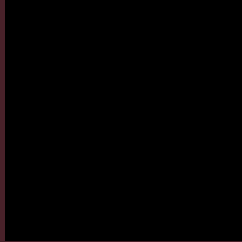
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 19.779, 9.336

Background



This preview shows how black text looks on a background with the CIELCh color 19, 19.779, 9.336.



This preview shows how white text looks on a background with the CIELCh color 19, 19.779, 9.336.

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, 19.779, 9.336

Protanopia

19, 1.369, 290.526

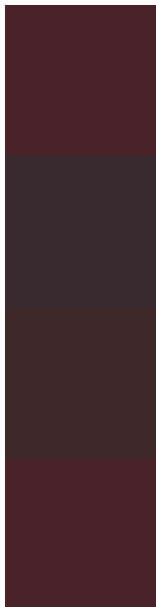
Deuteranopia

19, 5.683, 56.735



Tritanopia
19, 19.478, 20.609

Trichromacy



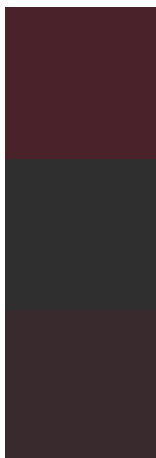
Original Color
19, 19.779, 9.336

Protanomaly
19, 7.959, 355.989

Deuteranomaly
19, 10.067, 21.720

Tritanomaly
19, 19.300, 16.666

Monochromacy



Original Color
19, 19.779, 9.336

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 7.575, 5.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 19.779, 9.336 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(73, 34, 42)` looks like.

```
.text, #text, p{  
    color:rgb(73, 34, 42)  
}
```

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(73, 34, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 34, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 19.779, 9.336 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(73, 34, 42) }
```

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

```
.border{ border-color:rgb(73, 34, 42) }
```

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

Here you see how a box with a 4 pixel rgb(73, 34, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 34, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 34, 42);  
box-shadow:4px 4px 4px 4px rgb(73, 34, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 19.779, 9.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 34, 42) }
```

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

```
.background{ background-color: rgb(73, 34,  
42) }
```

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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