

Converting Colors

CIELCh(19, 47.693, 32.152)

Have a look what the booklet for
CIELCh(19, 47.693, 32.152) contains.

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Color

CIELCh(19, 47.672, 32.343)

Conversions

Conversions Part 1

Format	Color
Hex	640109
RGB	100, 1, 9
RGB Percent	39%, 0%, 4%
CMY	0.6080, 0.9963, 0.9649
CMYK	0.00, 0.99, 0.91, 0.61
HSL	355°, 98%, 20%
HSV	355°, 99%, 39%
XYZ	5.3097, 2.7468, 0.5072
YIQ	31.5130, 56.4360, 23.4760

Conversions

Conversions Part 2

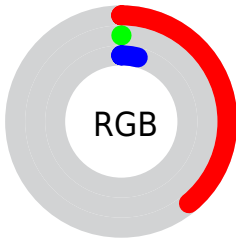
Format	Color
R_{YB}	100, 1, 9
Decimal	6553865
CIE Lab	19.00, 40.28, 25.50
CIE LCh	19, 47.672, 32.343
Yxy	2.7468, 0.6200, 0.3208
Android (android.graphics.Color)	4284743945 (0xFF640109)
YUV	31.5130, -11.0989, 60.0631
Hunter-Lab	16.5735, 28.1829, 9.7870

Details

The CIELCh color **19, 47.672, 32.343** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 26.884, 185.473**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 47.295, 32.340**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.999, 32.443**, and if you desaturate by 10%, it is **20, 43.944, 30.183**.

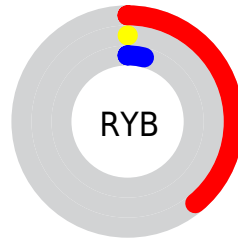
Distribution



Red (39%)

Green (0%)

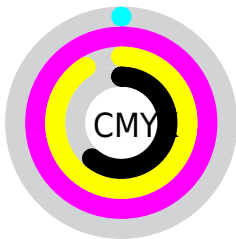
Blue (4%)



Red (39%)

Yellow (0%)

Blue (4%)

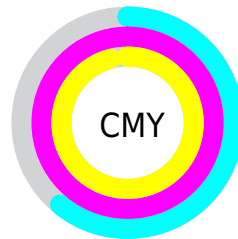


Cyan (0%)

Magenta (99%)

Yellow (91%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.672, 32.343 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, 47.672, 32.343 by changing the saturation by 10% instead.

 19, 47.672, 32.343

 19, 47.672, 32.343

 100, 47.672,
32.343

 9, 47.672, 32.343

 39, 47.672, 32.343

 0, 47.672, 32.343

 49, 47.672, 32.343

 59, 47.672, 32.343

 69, 47.672, 32.343

 79, 47.672, 32.343

 89, 47.672, 32.343

 99, 47.672, 32.343

■ 19, 47.672, 32.343

■ 19, 47.672, 32.343

■ 19, 47.999, 32.443

■ 20, 43.944, 30.183

■ 21, 39.304, 26.403

■ 23, 34.254, 23.138

■ 25, 28.979, 20.486

■ 28, 23.639, 18.372

■ 30, 18.376, 16.691

■ 33, 13.293, 15.344

■ 36, 8.455, 14.247

■ 39, 3.890, 13.314

Harmonies

Complementary

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



19, 47.672, 32.343



38, 26.884, 185.473

Rectangle

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



19, 47.672, 32.343



19, 47.672, 82.343



19, 47.672, 212.343



19, 47.672, 262.343

Sweetspot

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



19, 47.670, 32.345



43, 17.138, 15.570



21, 58.146, 325.168



20, 11.885, 15.959



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 47.670, 32.345



26, 59.736, 35.231



25, 42.368, 55.746



19, 2.454, 13.305



22, 53.894, 34.097



51, 97.260, 37.449

Inverse Universe

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



19, 47.670, 32.345



26, 59.736, 35.231



24, 28.983, 271.032



19, 2.454, 13.305



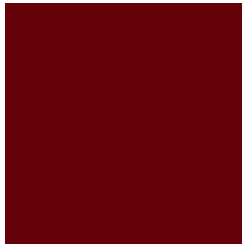
22, 53.894, 34.097



51, 97.260, 37.449

Previews

White Background



This preview shows how the CIE LCh color 19, 47.672, 32.343 looks on a white background.

Color Contrast Check

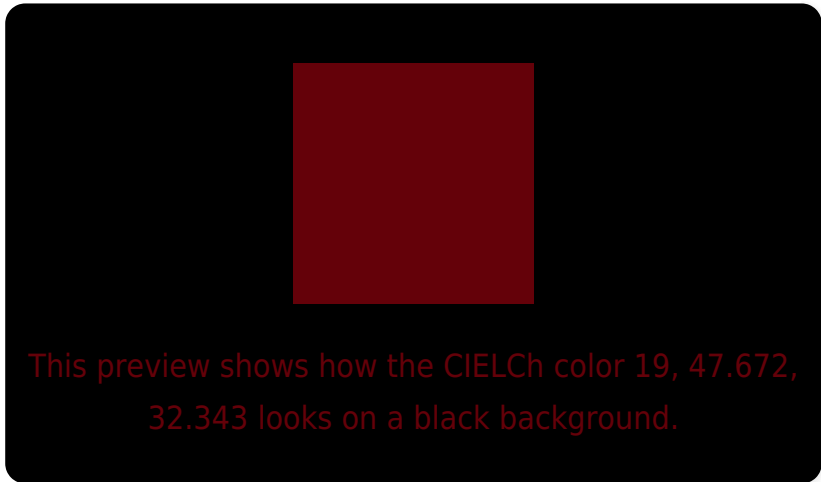
Large Text (above 18pt) WCAG AA ✓ Pass

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

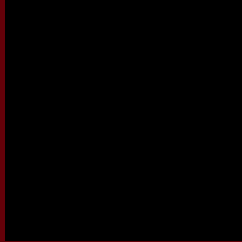
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 47.672, 32.343

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.672, 32.343.

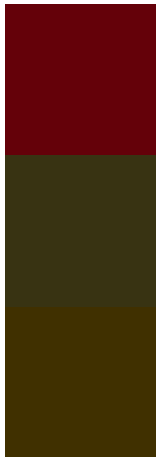


This preview shows how white text looks on a background with the CIELCh color 19, 47.672, 32.343.

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, 47.672, 32.343

Protanopia

21, 21.524, 97.822

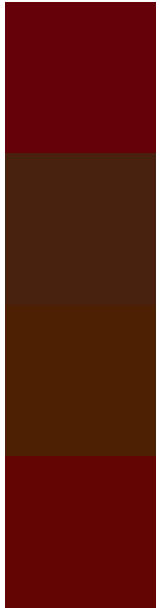
Deuteranopia

21, 29.560, 85.805



Tritanopia
19, 47.877, 38.159

Trichromacy



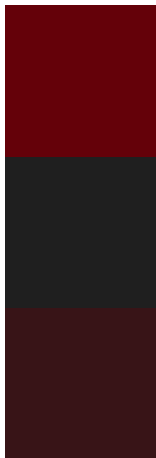
Original Color
19, 47.672, 32.343

Protanomaly
18, 26.235, 49.729

Deuteranomaly
18, 32.593, 52.244

Tritanomaly
19, 47.653, 36.099

Monochromacy



Original Color
19, 47.672, 32.343

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.460, 20.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.672, 32.343 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(100, 1, 9)` looks like.

```
.text, #text, p{  
    color:rgb(100, 1, 9)  
}
```

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(100, 1, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 1, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.672, 32.343 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(100, 1, 9) }
```

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

```
.border{ border-color:rgb(100, 1, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 1, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 1, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(100, 1, 9); box-shadow:4px  
4px 4px 4px rgb(100, 1, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.672, 32.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 1, 9) }
```

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

```
.background{ background-color: rgb(100, 1,  
9) }
```

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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