

Converting Colors

CIELCh(19, 48.816, 32.687)

Have a look what the booklet for
CIELCh(19, 48.816, 32.687) contains.

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Color

CIELCh(19, 48.647, 33.056)

Conversions

Conversions Part 1

Format	Color
Hex	650007
RGB	101, 0, 7
RGB Percent	40%, 0%, 3%
CMY	0.6055, 1.0000, 0.9745
CMYK	0.00, 1.00, 0.94, 0.61
HSL	356°, 100%, 20%
HSV	356°, 100%, 39%
XYZ	5.3512, 2.7468, 0.4351
YIQ	30.9970, 57.9490, 23.5890

Conversions

Conversions Part 2

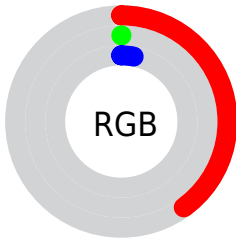
Format	Color
R_{YB}	101, 0, 7
Decimal	6619143
CIE _{Lab}	19.00, 40.77, 26.53
CIE _{LCh}	19, 48.647, 33.056
Yxy	2.7468, 0.6271, 0.3219
Android (android.graphics.Color)	4284809223 (0xFF650007)
YUV	30.9970, -11.8305, 61.3926
Hunter-Lab	16.5735, 28.6299, 10.0449

Details

The CIELCh color **19, 48.647, 33.056** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 26.689, 187.449**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 48.995, 33.102**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 48.568, 33.189**, and if you desaturate by 10%, it is **20, 44.940, 31.478**.

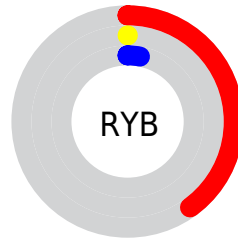
Distribution



Red (40%)

Green (0%)

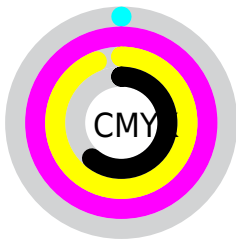
Blue (3%)



Red (40%)

Yellow (0%)

Blue (3%)

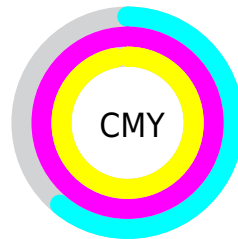


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 48.647, 33.056 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, 48.647, 33.056 by changing the saturation by 10% instead.

 19, 48.647, 33.056

 19, 48.647, 33.056

 100, 48.647,
33.056

 9, 48.647, 33.056

 0, 48.647, 33.056

 39, 48.647, 33.056

 49, 48.647, 33.056

 59, 48.647, 33.056

 69, 48.647, 33.056

 79, 48.647, 33.056

 89, 48.647, 33.056

 99, 48.647, 33.056

■ 19, 48.647, 33.056

■ 19, 48.647, 33.056

■ 19, 48.568, 33.189

■ 20, 44.940, 31.478

■ 21, 40.299, 27.885

■ 23, 35.152, 24.593

■ 25, 29.780, 21.902

■ 28, 24.349, 19.756

■ 30, 19.002, 18.055

■ 33, 13.846, 16.700

■ 36, 8.945, 15.605

■ 39, 4.328, 14.687

Harmonies

Complementary

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



19, 48.647, 33.056



38, 26.689, 187.449

Rectangle

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



19, 48.647, 33.056



19, 48.647, 83.056



19, 48.647, 213.056



19, 48.647, 263.056

Sweetspot

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



19, 48.568, 33.189



43, 17.146, 16.805



21, 58.604, 325.771



20, 11.895, 17.188



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, 48.568, 33.189



26, 60.193, 35.901



25, 42.757, 56.956



19, 2.449, 14.594



22, 54.277, 34.760



51, 98.024, 38.066

Inverse Universe

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



19, 48.568, 33.189



26, 60.193, 35.901



23, 30.331, 273.595



19, 2.449, 14.594



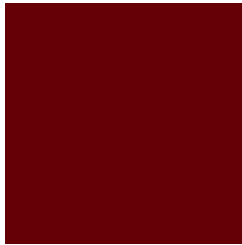
22, 54.277, 34.760



51, 98.024, 38.066

Previews

White Background



This preview shows how the CIE LCh color 19, 48.647, 33.056 looks on a white background.

Color Contrast Check

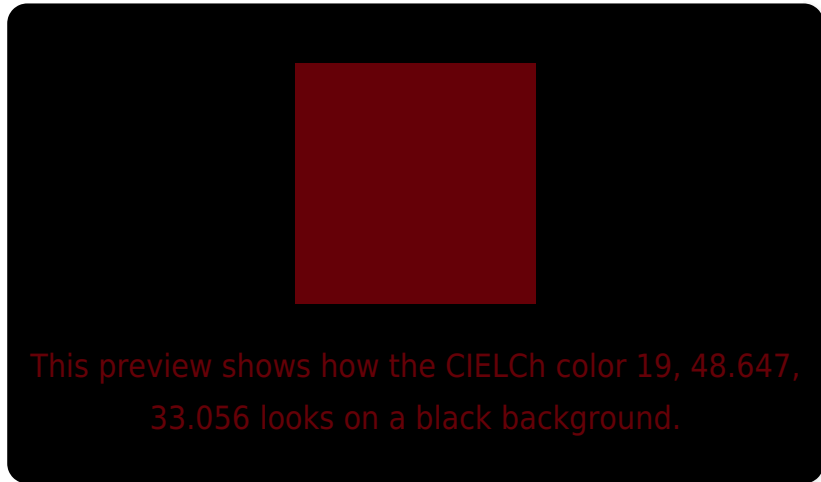
Large Text (above 18pt) WCAG AA ✓ Pass

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

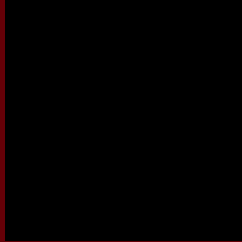
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 48.647, 33.056

Background



This preview shows how black text looks on a background with the CIELCh color 19, 48.647, 33.056.



This preview shows how white text looks on a background with the CIELCh color 19, 48.647, 33.056.

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, 48.647, 33.056

Protanopia

21, 22.730, 96.510

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 48.327, 38.235

Trichromacy



Original Color
19, 48.647, 33.056

Protanomaly
18, 27.583, 49.432

Deuteranomaly
18, 32.880, 52.726

Tritanomaly
19, 48.310, 36.606

Monochromacy



Original Color
19, 48.647, 33.056

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.608, 22.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 48.647, 33.056 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(101, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 7)  
}
```

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(101, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 48.647, 33.056 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(101, 0, 7) }
```

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

```
.border{ border-color:rgb(101, 0, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 0, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(101, 0, 7); box-shadow:4px  
4px 4px 4px rgb(101, 0, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 48.647, 33.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 7) }
```

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

```
.background{ background-color: rgb(101, 0,  
7) }
```

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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