

Converting Colors

CIELCh(19, 47.584, 29.903)

Have a look what the booklet for
CIELCh(19, 47.584, 29.903) contains.

CIELCh(19, 47.473, 30.439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(19, 47.473, 30.439)

Conversions

Conversions Part 1

Format	Color
Hex	64000C
RGB	100, 0, 12
RGB Percent	39%, 0%, 5%
CMY	0.6062, 1.0000, 0.9513
CMYK	0.00, 1.00, 0.88, 0.61
HSL	353°, 100%, 20%
HSV	353°, 100%, 39%
XYZ	5.3644, 2.7468, 0.6088
YIQ	31.2680, 55.7480, 24.9320

Conversions

Conversions Part 2

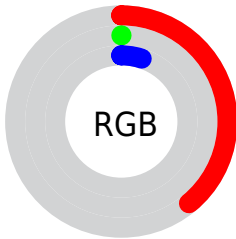
Format	Color
RYB	100, 0, 12
Decimal	6553612
CIELab	19.00, 40.93, 24.05
CIELCh	19, 47.473, 30.439
Yxy	2.7468, 0.6152, 0.3150
Android (android.graphics.Color)	4284743692 (0xFF64000C)
YUV	31.2680, -9.4991, 60.2780
Hunter-Lab	16.5735, 28.7716, 9.4236

Details

The CIELCh color **19, 47.473, 30.439** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 28.320, 180.173**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 47.080, 30.507**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.356, 30.621**, and if you desaturate by 10%, it is **20, 43.469, 27.684**.

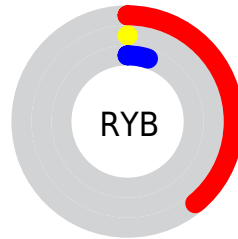
Distribution



Red (39%)

Green (0%)

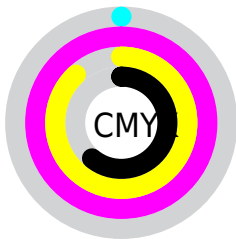
Blue (5%)



Red (39%)

Yellow (0%)

Blue (5%)

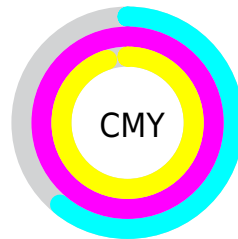


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.473, 30.439 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 19, 47.473, 30.439 by changing the saturation by 10% instead.

 19, 47.473, 30.439

 19, 47.473, 30.439

 100, 47.473,
30.439

 9, 47.473, 30.439

 39, 47.473, 30.439

 0, 47.473, 30.439

 49, 47.473, 30.439

 59, 47.473, 30.439

 69, 47.473, 30.439

 79, 47.473, 30.439

 89, 47.473, 30.439

 99, 47.473, 30.439

■ 19, 47.473, 30.439

■ 19, 47.473, 30.439

■ 19, 47.356, 30.621

■ 20, 43.469, 27.684

■ 21, 39.136, 23.648

■ 23, 34.373, 20.258

■ 25, 29.309, 17.514

■ 28, 24.105, 15.320

■ 30, 18.911, 13.565

■ 33, 13.844, 12.145

■ 36, 8.982, 10.976

■ 39, 4.363, 9.977

Harmonies

Complementary

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



19, 47.473, 30.439



38, 28.320, 180.173

Rectangle

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



19, 47.473, 30.439



19, 47.473, 80.439



19, 47.473, 210.439



19, 47.473, 260.439

Sweetspot

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



19, 47.356, 30.621



43, 17.160, 12.256



20, 58.879, 323.386



20, 11.888, 12.659



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, 47.356, 30.621



26, 58.328, 33.012



24, 43.715, 51.887



19, 2.473, 9.876



23, 52.804, 32.075



51, 94.886, 35.387

Inverse Universe

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



19, 47.356, 30.621



26, 58.328, 33.012



25, 26.772, 264.217



19, 2.473, 9.876



23, 52.804, 32.075



51, 94.886, 35.387

Previews

White Background



This preview shows how the CIELCh color 19, 47.473, 30.439 looks on a white background.

Color Contrast Check

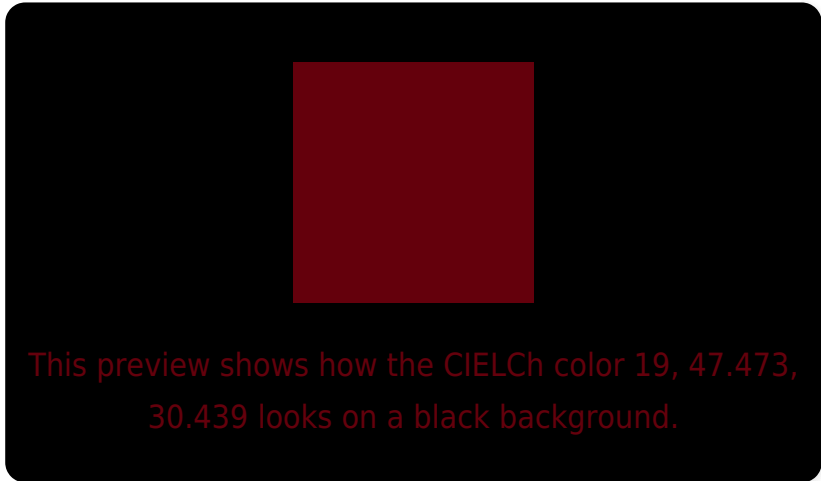
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

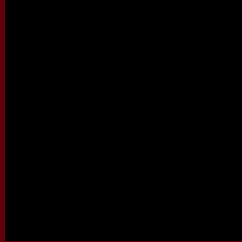
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 47.473, 30.439

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.473, 30.439.



This preview shows how white text looks on a background with the CIELCh color 19, 47.473, 30.439.

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

19, 47.265, 30.744

Protanopia

21, 19.778, 97.655

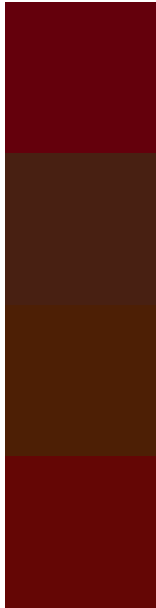
Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 48.327, 38.235

Trichromacy



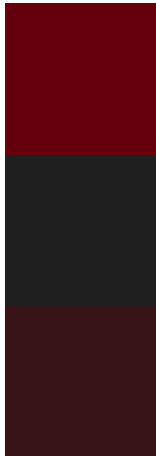
Original Color
19, 47.265, 30.744

Protanomaly
18, 25.343, 45.452

Deuteranomaly
18, 32.025, 51.253

Tritanomaly
19, 47.674, 35.401

Monochromacy



Original Color
19, 47.265, 30.744

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.338, 18.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.473, 30.439 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(100, 0, 12)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 12)  
}
```

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, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.473, 30.439 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(100, 0, 12) }
```

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

```
.border{ border-color:rgb(100, 0, 12) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(100, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.473, 30.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 12) }
```

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

```
.background{ background-color: rgb(100, 0,  
12) }
```

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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