

Converting Colors

CIELCh(19, 42.692, 32.087)

Have a look what the booklet for
CIELCh(19, 42.692, 32.087) contains.

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Color

CIELCh(19, 42.375, 31.843)

Conversions

Conversions Part 1

Format	Color
Hex	5F0C0F
RGB	95, 12, 15
RGB Percent	37%, 5%, 6%
CMY	0.6267, 0.9520, 0.9405
CMYK	0.00, 0.87, 0.84, 0.63
HSL	358°, 77%, 21%
HSV	358°, 87%, 37%
XYZ	4.9611, 2.7468, 0.7272
YIQ	37.1590, 48.5050, 18.5290

Conversions

Conversions Part 2

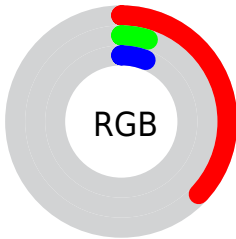
Format	Color
RYB	95, 12, 15
Decimal	6229007
CIELab	19.00, 36.00, 22.36
CIELCh	19, 42.375, 31.843
Yxy	2.7468, 0.5881, 0.3256
Android (android.graphics.Color)	4284419087 (0xFF5F0C0F)
YUV	37.1590, -10.9244, 50.7266
Hunter-Lab	16.5735, 24.4278, 8.9999

Details

The CIELCh color **19, 42.375, 31.843** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 23.865, 191.987**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.398, 31.887**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 45.892, 33.348**, and if you desaturate by 10%, it is **20, 37.677, 28.720**.

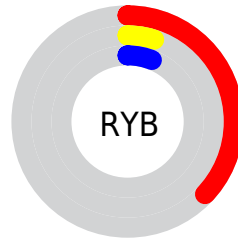
Distribution



Red (37%)

Green (5%)

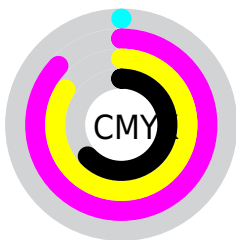
Blue (6%)



Red (37%)

Yellow (5%)

Blue (6%)

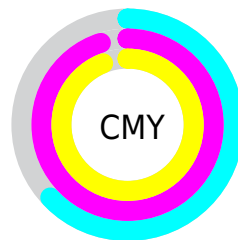


Cyan (0%)

Magenta (87%)

Yellow (84%)

Black (63%)



Cyan (63%)

Magenta (95%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.375, 31.843 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, 42.375, 31.843 by changing the saturation by 10% instead.

 19, 42.375, 31.843

 19, 42.375, 31.843

 100, 42.375,
31.843

 9, 42.375, 31.843

 39, 42.375, 31.843

 0, 42.375, 31.843

 49, 42.375, 31.843

 59, 42.375, 31.843

 69, 42.375, 31.843

 79, 42.375, 31.843

 89, 42.375, 31.843

 99, 42.375, 31.843

■ 19, 42.375, 31.843

■ 19, 42.375, 31.843

■ 18, 45.892, 33.348

■ 20, 37.677, 28.720

■ 18, 46.874, 33.606

■ 22, 32.495, 25.724

■ 24, 27.186, 23.290

■ 27, 21.905, 21.357

■ 29, 16.773, 19.833

■ 32, 11.873, 18.625

■ 35, 7.249, 17.652

■ 38, 2.917, 16.818

■ 41, 1.127, 196.586

Harmonies

Complementary

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



19, 42.375, 31.843



36, 23.865, 191.987

Rectangle

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



19, 42.375, 31.843



19, 42.375, 81.843



19, 42.375, 211.843



19, 42.375, 261.843

Sweetspot

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



19, 42.373, 31.845



43, 14.212, 18.590



21, 52.851, 326.314



20, 9.785, 18.847



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 42.373, 31.845



25, 59.063, 36.773



26, 35.711, 60.342



18, 2.340, 16.964



22, 53.962, 35.712



50, 98.392, 38.964

Inverse Universe

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



19, 42.373, 31.845



25, 59.063, 36.773



23, 26.401, 270.254



18, 2.340, 16.964



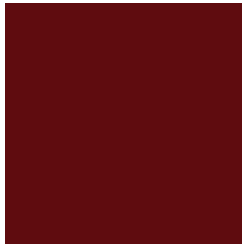
22, 53.962, 35.712



50, 98.392, 38.964

Previews

White Background



This preview shows how the CIELCh color 19, 42.375, 31.843 looks on a white background.

Color Contrast Check

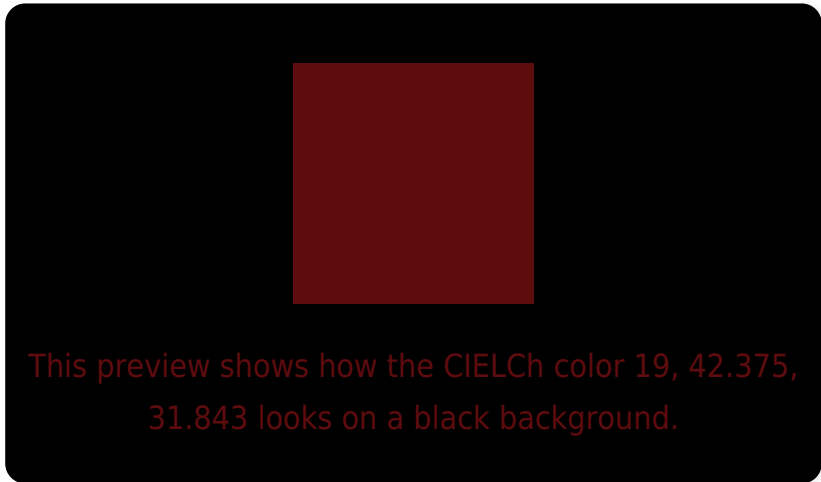
Large Text (above 18pt) WCAG AA ✓ Pass

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

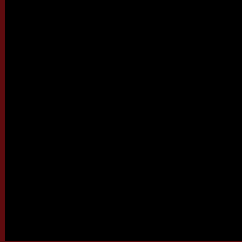
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 42.375, 31.843

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.375, 31.843.



This preview shows how white text looks on a background with the CIELCh color 19, 42.375, 31.843.

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, 42.375, 31.843

Protanopia

20, 16.814, 96.932

Deuteranopia

20, 27.347, 84.615



Tritanopia
19, 43.099, 34.400

Trichromacy



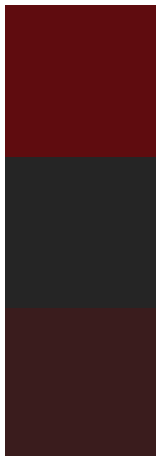
Original Color
19, 42.375, 31.843

Protanomaly
18, 21.811, 49.966

Deuteranomaly
18, 29.569, 55.173

Tritanomaly
19, 42.659, 33.369

Monochromacy



Original Color
19, 42.375, 31.843

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 15.951, 21.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.375, 31.843 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(95, 12, 15)` looks like.

```
.text, #text, p{  
    color:rgb(95, 12, 15)  
}
```

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(95, 12, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 12, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.375, 31.843 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(95, 12, 15) }
```

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

```
.border{ border-color:rgb(95, 12, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 12, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 12, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 12, 15);  
box-shadow:4px 4px 4px 4px rgb(95, 12, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.375, 31.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 12, 15) }
```

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

```
.background{ background-color: rgb(95, 12,  
15) }
```

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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