

Converting Colors

CIELCh(19, 40.413, 40.622)

Have a look what the booklet for
CIELCh(19, 40.413, 40.622) contains.

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Color

CIELCh(19, 40.227, 40.281)

Conversions

Conversions Part 1

Format	Color
Hex	5A1506
RGB	90, 21, 6
RGB Percent	35%, 8%, 2%
CMY	0.6460, 0.9166, 0.9752
CMYK	0.00, 0.76, 0.93, 0.65
HSL	11°, 87%, 19%
HSV	11°, 93%, 35%
XYZ	4.5501, 2.7468, 0.4719
YIQ	39.9210, 45.9390, 9.9630

Conversions

Conversions Part 2

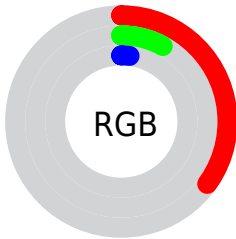
Format	Color
RYB	90, 24, 6
Decimal	5903622
CIELab	19.00, 30.69, 26.01
CIELCh	19, 40.227, 40.281
Yxy	2.7468, 0.5857, 0.3536
Android (android.graphics.Color)	4284093702 (0xFF5A1506)
YUV	39.9210, -16.7231, 43.9193
Hunter-Lab	16.5735, 20.0018, 9.9132

Details

The CIELCh color **19, 40.227, 40.281** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 19.859, 226.483**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 40.431, 39.990**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.708, 40.307**, and if you desaturate by 10%, it is **20, 36.221, 40.584**.

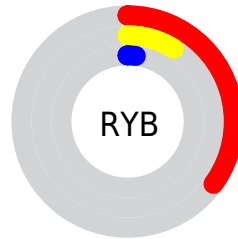
Distribution



Red (35%)

Green (8%)

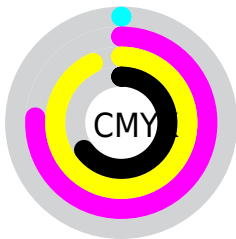
Blue (2%)



Red (35%)

Yellow (9%)

Blue (2%)

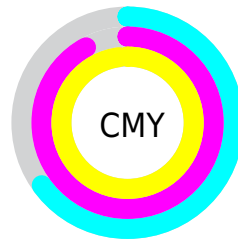


Cyan (0%)

Magenta (76%)

Yellow (93%)

Black (65%)



Cyan (65%)

Magenta (92%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 40.227, 40.281 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, 40.227, 40.281 by changing the saturation by 10% instead.

 19, 40.227, 40.281

 19, 40.227, 40.281

 100, 40.227,
40.281

 9, 40.227, 40.281

 39, 40.227, 40.281

 0, 40.227, 40.281

 49, 40.227, 40.281

 59, 40.227, 40.281

 69, 40.227, 40.281

 79, 40.227, 40.281

 89, 40.227, 40.281

 99, 40.227, 40.281

■ 19, 40.227, 40.281

■ 19, 40.227, 40.281

■ 18, 42.708, 40.307

■ 20, 36.221, 40.584

■ 22, 31.159, 39.606

■ 24, 26.068, 38.641

■ 26, 21.177, 37.902

■ 28, 16.552, 37.382

■ 30, 12.224, 37.051

■ 33, 8.196, 36.872

■ 35, 4.457, 36.799

■ 38, 0.988, 36.613

Harmonies

Complementary

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



19, 40.227, 40.281



29, 19.859, 226.483

Rectangle

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



19, 40.227, 40.281



19, 40.227, 90.281



19, 40.227, 220.281



19, 40.227, 270.281

Sweetspot

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



19, 40.226, 40.284



41, 12.670, 36.962



19, 46.446, 335.086



19, 8.754, 37.020



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 40.226, 40.284



25, 54.252, 42.230



29, 36.244, 78.726



17, 1.918, 36.778



23, 51.095, 41.840



51, 95.232, 42.519

Inverse Universe

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



29, 19.859, 226.483



37, 24.541, 229.231



15, 39.181, 291.818



18, 1.822, 217.201



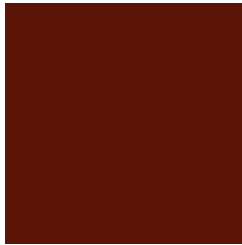
35, 23.388, 228.955



73, 41.298, 231.365

Previews

White Background



This preview shows how the CIE LCh color 19, 40.227, 40.281 looks on a white background.

Color Contrast Check

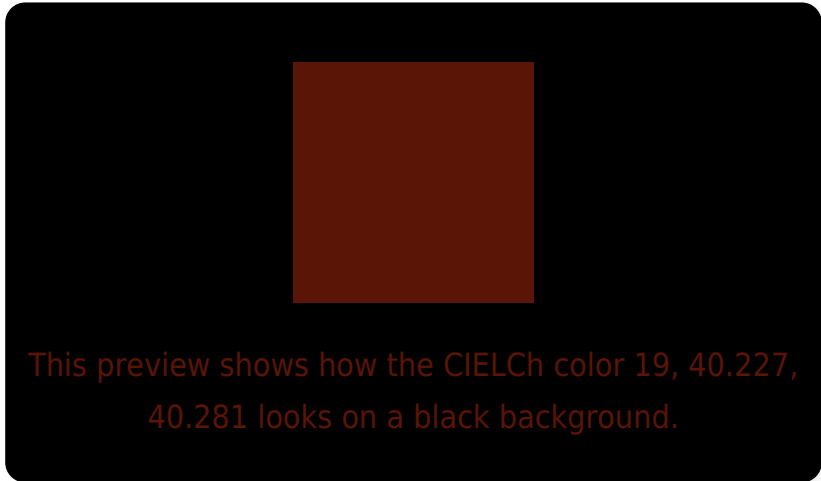
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.227, 40.281

Background



This preview shows how black text looks on a background with the CIELCh color 19, 40.227, 40.281.



This preview shows how white text looks on a background with the CIELCh color 19, 40.227, 40.281.

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, 40.227, 40.281

Protanopia

20, 22.657, 96.243

Deuteranopia

20, 28.297, 86.272



Tritanopia
19, 36.964, 31.056

Trichromacy



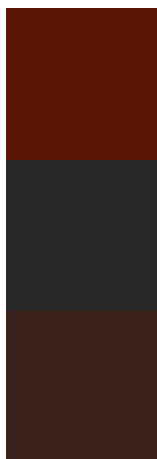
Original Color
19, 40.227, 40.281

Protanomaly
18, 24.859, 63.712

Deuteranomaly
19, 30.022, 62.727

Tritanomaly
19, 38.346, 34.950

Monochromacy



Original Color
19, 40.227, 40.281

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.151, 36.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 40.227, 40.281 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(90, 21, 6)` looks like.

```
.text, #text, p{  
    color:rgb(90, 21, 6)  
}
```

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(90, 21, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 21, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 40.227, 40.281 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(90, 21, 6) }
```

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

```
.border{ border-color:rgb(90, 21, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 21, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 21, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 21, 6); box-shadow:4px  
4px 4px 4px rgb(90, 21, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 40.227, 40.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 21, 6) }
```

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

```
.background{ background-color: rgb(90, 21,  
6) }
```

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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