

Converting Colors

CIELCh(19, 63.675, 70.029)

Have a look what the booklet for
CIELCh(19, 63.675, 70.029) contains.

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Color

CIELCh(19, 35.913, 51.975)

Conversions

Conversions Part 1

Format	Color
Hex	521F00
RGB	82, 31, 0
RGB Percent	32%, 12%, 0%
CMY	0.6796, 0.8794, 1.0000
CMYK	0.00, 0.62, 1.00, 0.68
HSL	23°, 100%, 16%
HSV	23°, 100%, 32%
XYZ	3.9360, 2.7468, 0.3124
YIQ	42.7150, 40.3470, 1.1710

Conversions

Conversions Part 2

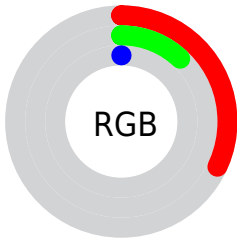
Format	Color
RYB	82, 50, 0
Decimal	5381888
CIELab	19.00, 22.12, 28.29
CIElCh	19, 35.913, 51.975
Yxy	2.7468, 0.5627, 0.3927
Android (android.graphics.Color)	4283571968 (0xFF521F00)
YUV	42.7150, -21.0585, 34.4529
Hunter-Lab	16.5735, 13.3874, 10.4839

Details

The CIELCh color **19, 35.913, 51.975** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **20, 23.183, 264.118**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 35.811, 52.112**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **19, 35.809, 51.819**, and if you desaturate by 10%, it is **20, 32.679, 53.413**.

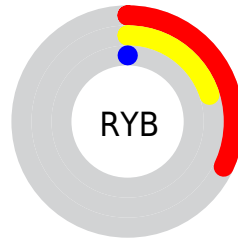
Distribution



Red (32%)

Green (12%)

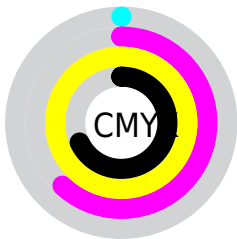
Blue (0%)



Red (32%)

Yellow (20%)

Blue (0%)

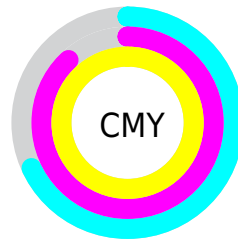


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (88%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.913, 51.975 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, 35.913, 51.975 by changing the saturation by 10% instead.

■ 19, 35.913, 51.975

■ 19, 35.913, 51.975

■ 100, 35.913,
51.975

■ 9, 35.913, 51.975

■ 0, 35.913, 51.975

■ 39, 35.913, 51.975

■ 49, 35.913, 51.975

■ 59, 35.913, 51.975

■ 69, 35.913, 51.975

■ 79, 35.913, 51.975

■ 89, 35.913, 51.975

■ 99, 35.913, 51.975

■ 19, 35.913, 51.975

■ 19, 35.913, 51.975

■ 19, 35.809, 51.819

■ 20, 32.679, 53.413

■ 22, 29.169, 54.990

■ 23, 24.941, 55.660

■ 25, 20.789, 56.304

■ 26, 16.807, 56.980

■ 28, 13.032, 57.704

■ 29, 9.473, 58.472

■ 31, 6.123, 59.272

■ 33, 2.970, 60.072

Harmonies

Complementary

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



19, 35.913, 51.975



20, 23.183, 264.118

Rectangle

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



19, 35.913, 51.975



19, 35.913, 101.975



19, 35.913, 231.975



19, 35.913, 281.975

Sweetspot

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



19, 35.809, 51.819



39, 11.885, 58.387



16, 39.499, 347.680



18, 8.073, 58.205



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 35.809, 51.819



26, 46.141, 52.698



30, 38.952, 94.279



15, 1.651, 60.169



25, 45.163, 52.662



56, 84.852, 51.065

Inverse Universe

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



20, 23.183, 264.118



27, 28.646, 266.125



8, 50.953, 302.282



16, 1.597, 241.917



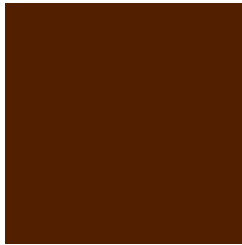
26, 28.109, 265.965



58, 52.901, 269.754

Previews

White Background



This preview shows how the CIELCh color 19, 35.913, 51.975 looks on a white background.

Color Contrast Check

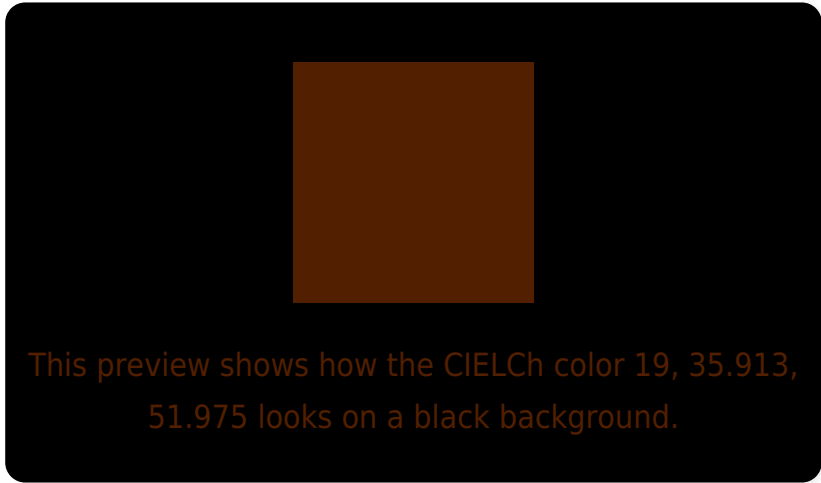
Large Text (above 18pt) WCAG AA ✓ Pass

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

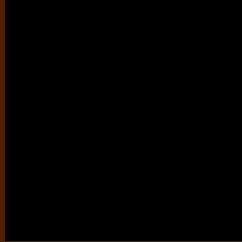
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.913, 51.975

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.913, 51.975.



This preview shows how white text looks on a background with the CIELCh color 19, 35.913, 51.975.

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, 35.913, 51.975

Protanopia

20, 24.772, 96.519

Deuteranopia

19, 27.762, 85.965



Tritanopia
19, 27.673, 25.894

Trichromacy



Original Color
19, 35.913, 51.975

Protanomaly
19, 26.208, 75.786

Deuteranomaly
19, 29.176, 70.739

Tritanomaly
19, 30.577, 39.689

Monochromacy



Original Color
19, 35.913, 51.975

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 12.639, 57.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.913, 51.975 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(82, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 31, 0)  
}
```

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(82, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 31, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.913, 51.975 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(82, 31, 0) }
```

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

```
.border{ border-color:rgb(82, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 31, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 31, 0); box-shadow:4px  
4px 4px 4px rgb(82, 31, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.913, 51.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 31, 0) }
```

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

```
.background{ background-color: rgb(82, 31,  
0) }
```

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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