

Converting Colors

CIELCh(19, 41.633, 356.026)

Have a look what the booklet for
CIELCh(19, 41.633, 356.026)
contains.

CIELCh(19, 41.663, 355.871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 41.663, 355.871)

Conversions

Conversions Part 1

Format	Color
Hex	600234
RGB	96, 2, 52
RGB Percent	38%, 1%, 20%
CMY	0.6249, 0.9939, 0.7972
CMYK	0.00, 0.98, 0.46, 0.62
HSL	328°, 97%, 19%
HSV	328°, 98%, 38%
XYZ	5.4170, 2.7468, 3.4594
YIQ	35.8060, 39.9740, 35.4780

Conversions

Conversions Part 2

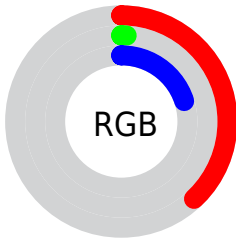
Format	Color
RYB	96, 2, 52
Decimal	6292020
CIELab	19.00, 41.55, -3.00
CIElCh	19, 41.663, 355.871
Yxy	2.7468, 0.4660, 0.2363
Android (android.graphics.Color)	4284482100 (0xFF600234)
YUV	35.8060, 7.9836, 52.7901
Hunter-Lab	16.5735, 29.3383, -0.7741

Details

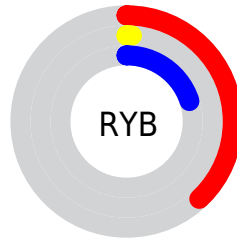
The CIELCh color **19, 41.663, 355.871** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 42.944, 149.404**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 41.670, 356.368**, and **6, 25.067, 16.401** is the 20% darker color. If you saturate the color by 10%, you get **19, 41.993, 356.265**, and if you desaturate by 10%, it is **20, 39.815, 353.344**.

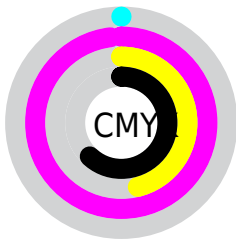
Distribution



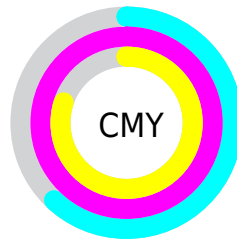
- Red (38%)
- Green (1%)
- Blue (20%)



- Red (38%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (98%)
- Yellow (46%)
- Black (62%)





- Cyan (62%)
- Magenta (99%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 41.663, 355.871 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, 41.663, 355.871 by changing the saturation by 10% instead.

 19, 41.663,
355.871


 19, 41.663,
355.871


 100, 41.663,
355.871


 9, 41.663, 355.871


 39, 41.663,
355.871

 0, 41.663, 355.871

 49, 41.663,
355.871


 59, 41.663,
355.871


 69, 41.663,
355.871


 79, 41.663,
355.871


 89, 41.663,


355.871


 99, 41.663,
355.871


 19, 41.663,
355.871


 19, 41.663,
355.871


 19, 41.993,
356.265

 20, 39.815,
353.344

 21, 37.433,
351.051

 23, 34.054,
349.189

 25, 29.879,
347.650

 27, 25.142,
346.347

■ 30, 20.062,
345.219

■ 32, 14.815,
344.222

■ 35, 9.532, 343.324

■ 38, 4.300, 342.486

Harmonies

Complementary

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



19, 41.663, 355.871



35, 42.944, 149.404

Rectangle

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



19, 41.663, 355.871



19, 41.663, 45.871



19, 41.663, 175.871



19, 41.663, 225.871

Sweetspot

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



19, 41.661, 355.872



42, 19.541, 344.467



12, 60.039, 311.831



20, 13.444, 344.754



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, 41.661, 355.872



26, 50.528, 357.496



18, 46.540, 33.610



18, 2.916, 342.531



23, 46.860, 357.028



52, 81.277, 359.614

Inverse Universe

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



19, 41.661, 355.872



26, 50.528, 357.496



36, 24.911, 191.765



18, 2.916, 342.531



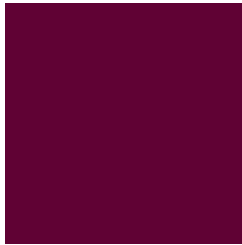
23, 46.860, 357.028



52, 81.277, 359.614

Previews

White Background



This preview shows how the CIE LCh color 19, 41.663, 355.871 looks on a white background.

Color Contrast Check

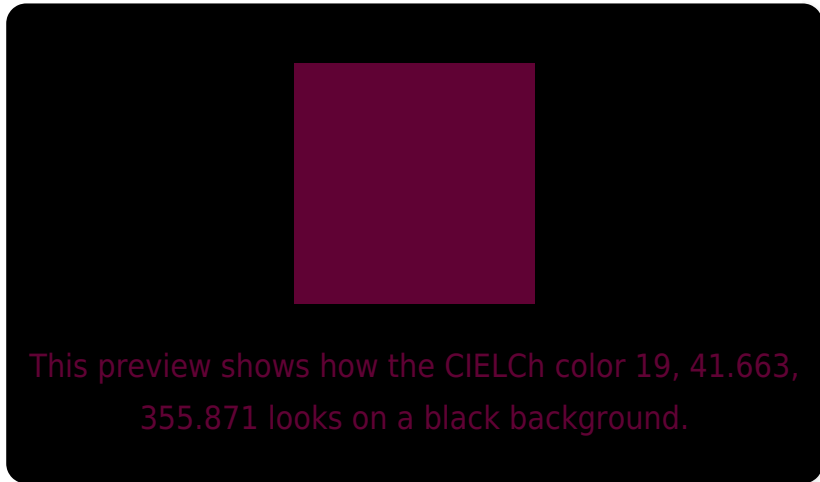
Large Text (above 18pt) WCAG AA ✓ Pass

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

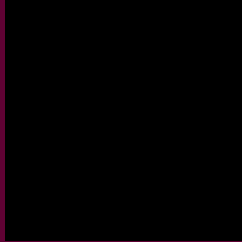
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 41.663, 355.871

Background



This preview shows how black text looks on a background with the CIELCh color 19, 41.663, 355.871.



This preview shows how white text looks on a background with the CIELCh color 19, 41.663, 355.871.

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, 41.663, 355.871

Protanopia

21, 17.026, 285.235

Deuteranopia

21, 3.833, 20.149



Tritanopia
20, 38.269, 31.161

Trichromacy



Original Color
19, 41.663, 355.871

Protanomaly
18, 26.073, 323.290

Deuteranomaly
18, 21.418, 351.366

Tritanomaly
19, 38.116, 17.792

Monochromacy



Original Color
19, 41.663, 355.871

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 19.942, 347.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 41.663, 355.871 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(96, 2, 52)` looks like.

```
.text, #text, p{  
    color:rgb(96, 2, 52)  
}
```

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(96, 2, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 2, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 41.663, 355.871 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(96, 2, 52) }
```

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

```
.border{ border-color:rgb(96, 2, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 2, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 2, 52); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 2, 52); box-shadow:4px  
4px 4px 4px rgb(96, 2, 52) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 41.663, 355.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 2, 52) }
```

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

```
.background{ background-color: rgb(96, 2,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor