

Converting Colors

CIELCh(19, 64.673, 96.211)

Have a look what the booklet for
CIELCh(19, 64.673, 96.211) contains.

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Color

CIELCh(19, 27.701, 102.751)

Conversions

Conversions Part 1

Format	Color
Hex	313000
RGB	49, 48, 0
RGB Percent	19%, 19%, 0%
CMY	0.8085, 0.8125, 1.0000
CMYK	0.00, 0.02, 1.00, 0.81
HSL	59°, 100%, 10%
HSV	59°, 100%, 19%
XYZ	2.3060, 2.7468, 0.4014
YIQ	42.8270, 16.0040, -14.7160

Conversions

Conversions Part 2

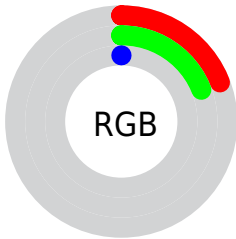
Format	Color
R_{YB}	1, 49, 0
Decimal	3223552
CIE Lab	19.00, -6.11, 27.02
CIE LCh	19, 27.701, 102.751
Yxy	2.7468, 0.4228, 0.5036
Android (android.graphics.Color)	4281413632 (0xFF313000)
YUV	42.8270, -21.1137, 5.4137
Hunter-Lab	16.5735, -4.1672, 10.1657

Details

The CIELCh color **19, 27.701, 102.751** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 31.473, 295.557**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 27.860, 102.774**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 27.599, 102.761**, and if you desaturate by 10%, it is **19, 25.685, 103.048**.

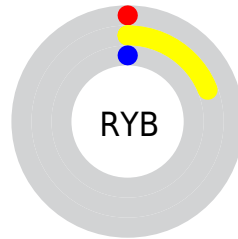
Distribution



Red (19%)

Green (19%)

Blue (0%)



Red (0%)

Yellow (19%)

Blue (0%)

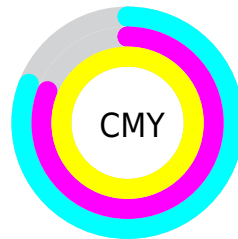


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (81%)



Cyan (81%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.701, 102.751 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, 27.701, 102.751 by changing the saturation by 10% instead.

 19, 27.701,
102.751


 19, 27.701,
102.751


 100, 27.701,
102.751


 9, 27.701, 102.751


 39, 27.701,
102.751

 0, 27.701, 102.751

 49, 27.701,
102.751


 59, 27.701,
102.751


 69, 27.701,
102.751


 79, 27.701,
102.751


 89, 27.701,


102.751


 99, 27.701,
102.751


 19, 27.701,
102.751


 19, 27.701,
102.751


 19, 27.599,
102.761

 19, 25.685,
103.048

 19, 23.771,
103.392

 19, 21.603,
103.849

 19, 18.879,
104.528

 19, 15.913,
105.295

■ 20, 12.830,
106.092

■ 20, 9.672, 106.905

■ 20, 6.468, 107.724

■ 20, 3.238, 108.537

Harmonies

Complementary

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



19, 27.701, 102.751



2, 31.473, 295.557

Rectangle

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



19, 27.701, 102.751



19, 27.701, 152.751



19, 27.701, 282.751



19, 27.701, 332.751

Sweetspot

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



19, 27.599, 102.761



26, 12.094, 106.770



6, 25.694, 19.654



12, 8.333, 106.705



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 27.599, 102.761



25, 34.959, 101.865



17, 30.715, 126.686



9, 1.855, 108.682



36, 44.419, 101.642



83, 84.410, 101.534

Inverse Universe

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



2, 31.473, 295.557



4, 43.476, 301.421



4, 33.569, 309.179



8, 1.883, 289.936



7, 60.720, 305.588



27, 117.492, 306.084

Previews

White Background



This preview shows how the CIELCh color 19, 27.701, 102.751 looks on a white background.

Color Contrast Check

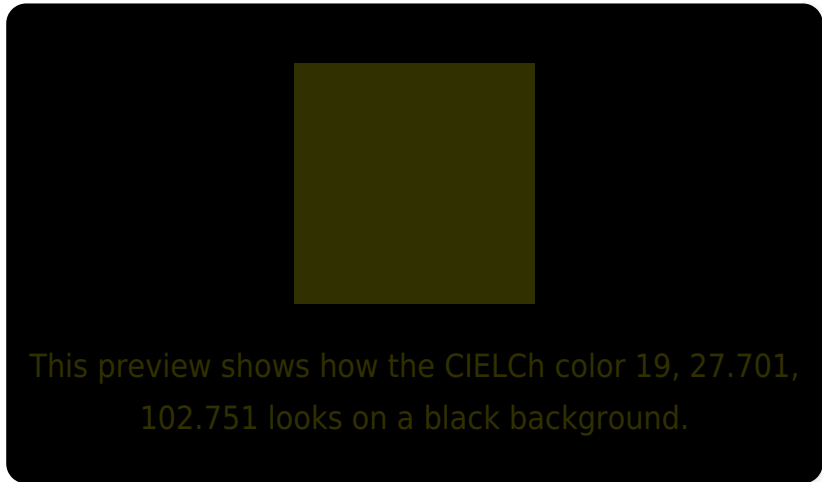
Large Text (above 18pt) WCAG AA ✓ Pass

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

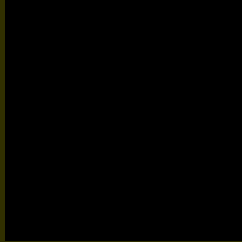
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 27.701, 102.751

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.701, 102.751.

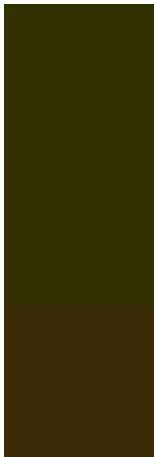


This preview shows how white text looks on a background with the CIELCh color 19, 27.701, 102.751.

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, 27.701, 102.751

Protanopia

19, 27.350, 98.005

Deuteranopia

19, 24.495, 84.131



Tritanopia
19, 4.683, 344.715

Trichromacy



Original Color
19, 27.701, 102.751

Protanomaly
19, 27.276, 99.206

Deuteranomaly
19, 25.224, 91.258

Tritanomaly
19, 10.067, 89.537

Monochromacy



Original Color
19, 27.701, 102.751

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.211, 107.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.701, 102.751 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(49, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 48, 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(49, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 48, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.701, 102.751 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(49, 48, 0) }
```

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

```
.border{ border-color:rgb(49, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 48, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 48, 0); box-shadow:4px  
4px 4px 4px rgb(49, 48, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.701, 102.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 48, 0) }
```

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

```
.background{ background-color: rgb(49, 48,  
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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