

Converting Colors

CIELCh(19, 27.311, 103.949)

Have a look what the booklet for
CIELCh(19, 27.311, 103.949)
contains.

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Color

CIELCh(19, 27.281, 103.977)

Conversions

Conversions Part 1

Format	Color
Hex	303001
RGB	48, 48, 1
RGB Percent	19%, 19%, 0%
CMY	0.8117, 0.8117, 0.9960
CMYK	0.00, 0.00, 0.98, 0.81
HSL	60°, 96%, 10%
HSV	60°, 98%, 19%
XYZ	2.2834, 2.7468, 0.4394
YIQ	42.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

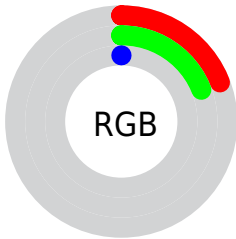
Format	Color
R_{YB}	1, 48, 1
Decimal	3158017
CIE Lab	19.00, -6.59, 26.47
CIE LCh	19, 27.281, 103.977
Yxy	2.7468, 0.4175, 0.5022
Android (android.graphics.Color)	4281348097 (0xFF303001)
YUV	42.6420, -20.5295, 4.6990
Hunter-Lab	16.5735, -4.4110, 10.0295

Details

The CIELCh color **19, 27.281, 103.977** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 30.851, 295.774**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 27.283, 103.822**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 27.697, 103.931**, and if you desaturate by 10%, it is **19, 25.346, 104.230**.

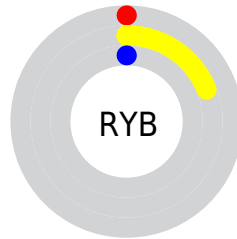
Distribution



Red (19%)

Green (19%)

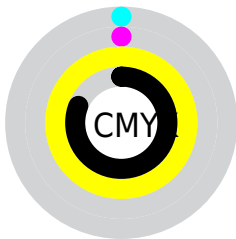
Blue (0%)



Red (0%)

Yellow (19%)

Blue (0%)

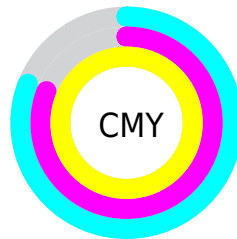


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (81%)



Cyan (81%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.281, 103.977 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, 27.281, 103.977 by changing the saturation by 10% instead.

 19, 27.281,
103.977


 19, 27.281,
103.977


 100, 27.281,
103.977


 9, 27.281, 103.977


 39, 27.281,
103.977

 0, 27.281, 103.977

 49, 27.281,
103.977


 59, 27.281,
103.977


 69, 27.281,
103.977


 79, 27.281,
103.977


 89, 27.281,


103.977


 99, 27.281,
103.977


 19, 27.281,
103.977


 19, 27.281,
103.977


 19, 27.697,
103.931

 19, 25.346,
104.230

 19, 23.409,
104.532

 19, 21.128,
104.972

 19, 18.331,
105.643

 19, 15.332,
106.388

■ 19, 12.222,
107.165

■ 19, 9.039, 107.958

■ 20, 5.812, 108.758

■ 20, 2.560, 109.551

Harmonies

Complementary

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



19, 27.281, 103.977



2, 30.851, 295.774

Rectangle

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



19, 27.281, 103.977



19, 27.281, 153.977



19, 27.281, 283.977



19, 27.281, 333.977

Sweetspot

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



19, 27.281, 103.979



25, 11.528, 107.749



6, 24.836, 20.958



11, 7.649, 107.877



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



19, 27.281, 103.979



25, 34.379, 103.077



17, 30.071, 127.942



8, 1.615, 110.170



36, 44.162, 102.855



83, 84.962, 102.855

Inverse Universe

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



2, 30.851, 295.774



3, 42.026, 300.807



4, 32.655, 310.361



7, 1.619, 290.188



6, 60.349, 305.914



26, 117.318, 306.287

Previews

White Background



This preview shows how the CIE LCh color 19, 27.281, 103.977 looks on a white background.

Color Contrast Check

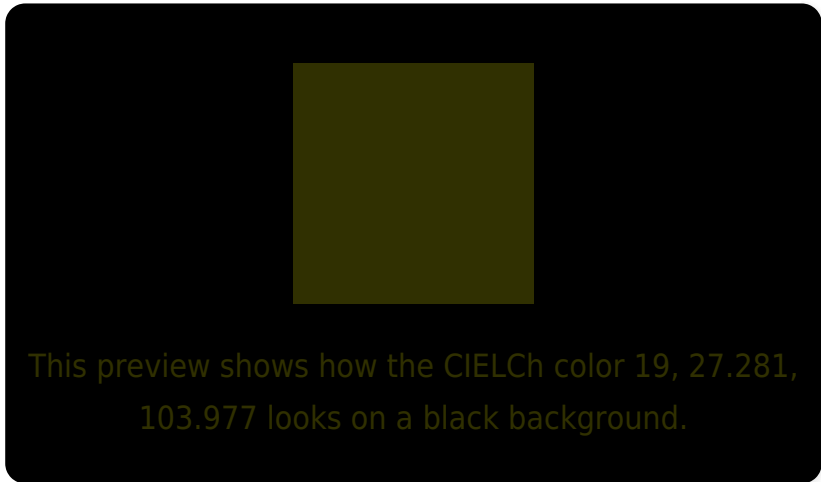
Large Text (above 18pt) WCAG AA ✓ Pass

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

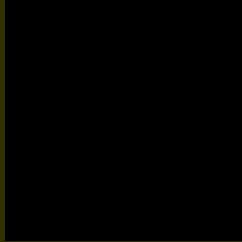
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

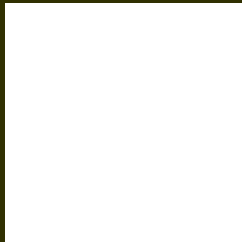
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 27.281, 103.977

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.281, 103.977.



This preview shows how white text looks on a background with the CIELCh color 19, 27.281, 103.977.

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, 27.281, 103.977

Protanopia

19, 27.350, 98.005

Deuteranopia

19, 24.495, 84.131



Tritanopia
19, 3.510, 344.430

Trichromacy



Original Color
19, 27.281, 103.977

Protanomaly
19, 27.276, 99.206

Deuteranomaly
19, 24.826, 91.123

Tritanomaly
19, 10.401, 96.025

Monochromacy



Original Color
19, 27.281, 103.977

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.549, 107.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.281, 103.977 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(48, 48, 1)` looks like.

```
.text, #text, p{  
  color:rgb(48, 48, 1)  
}
```

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(48, 48, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 48, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.281, 103.977 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(48, 48, 1) }
```

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

```
.border{ border-color:rgb(48, 48, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 48, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 48, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(48, 48, 1); box-shadow:4px  
4px 4px 4px rgb(48, 48, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.281, 103.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 48, 1) }
```

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

```
.background{ background-color: rgb(48, 48,  
1) }
```

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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