

Converting Colors

CIELCh(19, 47.524, 307.740)

Have a look what the booklet for
CIELCh(19, 47.524, 307.740)
contains.

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Color

CIELCh(19, 47.888, 307.946)

Conversions

Conversions Part 1

Format	Color
Hex	371F66
RGB	55, 31, 102
RGB Percent	22%, 12%, 40%
CMY	0.7845, 0.8786, 0.6002
CMYK	0.46, 0.70, 0.00, 0.60
HSL	260°, 53%, 26%
HSV	260°, 70%, 40%
XYZ	4.4574, 2.7468, 12.8527
YIQ	46.2700, -8.4870, 27.1690

Conversions

Conversions Part 2

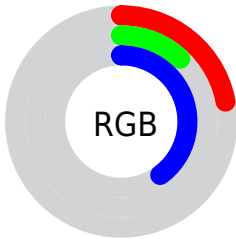
Format	Color
R_{YB}	55, 31, 102
Decimal	3612518
CIE _{Lab}	19.00, 29.45, -37.76
CIE _{LCh}	19, 47.888, 307.946
Yxy	2.7468, 0.2222, 0.1370
Android (android.graphics.Color)	4281802598 (0xFF371F66)
YUV	46.2700, 27.4749, 7.6562
Hunter-Lab	16.5735, 19.0035, -34.3777

Details

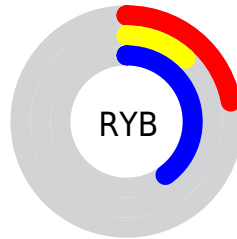
The CIELCh color **19, 47.888, 307.946** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 41.418, 120.090**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 47.873, 307.778**, and **3, 36.461, 301.403** is the 20% darker color. If you saturate the color by 10%, you get **16, 54.396, 308.569**, and if you desaturate by 10%, it is **22, 40.889, 307.203**.

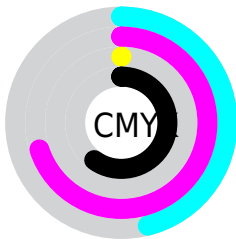
Distribution



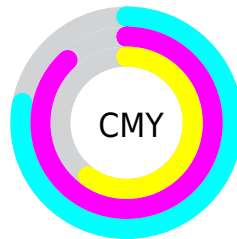
- Red (22%)
- Green (12%)
- Blue (40%)



- Red (22%)
- Yellow (12%)
- Blue (40%)



- Cyan (46%)
- Magenta (70%)
- Yellow (0%)
- Black (60%)



- Cyan (78%)
- Magenta (88%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.888, 307.946 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, 47.888, 307.946 by changing the saturation by 10% instead.

■ 19, 47.888,
307.946

■ 19, 47.888,
307.946

■ 100, 47.888,
307.946

■ 9, 47.888, 307.946

■ 39, 47.888,
307.946

■ 0, 47.888, 307.946

■ 49, 47.888,
307.946

■ 59, 47.888,
307.946


■ 69, 47.888,
307.946


■ 79, 47.888,
307.946


■ 89, 47.888,


307.946


 99, 47.888,
307.946

 19, 47.888,
307.946


 19, 47.888,
307.946

 16, 54.396,
308.569


 22, 40.889,
307.203


 14, 59.929,
308.949


 26, 33.727,
306.426

 11, 65.136,
309.390

 29, 26.594,
305.666

 11, 65.346,
309.417

 33, 19.596,
304.954

 36, 12.783,
304.303

■ 40, 6.174, 303.716

■ 43, 0.224, 123.373

■ 47, 6.416, 122.751

■ 50, 12.408,
122.347

Harmonies

Complementary

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



19, 47.888, 307.946



40, 41.418, 120.090

Rectangle

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



19, 47.888, 307.946



19, 47.888, 357.946



19, 47.888, 127.946



19, 47.888, 177.946

Sweetspot

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



19, 47.888, 307.947



46, 17.020, 304.426



31, 20.026, 247.373



22, 11.460, 304.545



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 47.888, 307.947



21, 70.317, 308.862



24, 48.085, 322.350



19, 3.595, 303.676



14, 71.173, 309.277



34, 124.324, 308.690

Inverse Universe

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



25, 39.012, 341.773



30, 53.289, 344.097



38, 47.527, 135.647



20, 3.335, 336.413



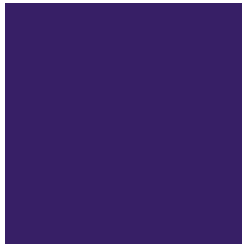
24, 50.446, 346.694



53, 86.488, 348.234

Previews

White Background



This preview shows how the CIE LCh color 19, 47.888, 307.946 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



This preview shows how the CIELCh color 19, 47.888, 307.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

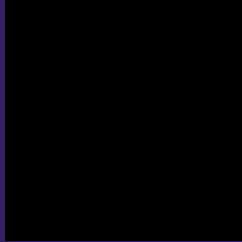
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 47.888, 307.946

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.888, 307.946.



This preview shows how white text looks on a background with the CIELCh color 19, 47.888, 307.946.

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

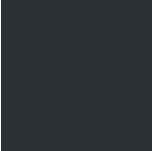
19, 47.888, 307.946

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 25.443, 270.672



Tritanopia
19, 3.331, 237.146

Trichromacy



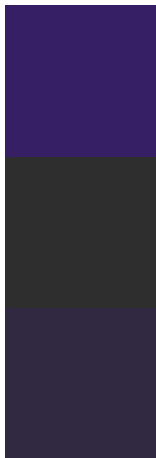
Original Color
19, 47.888, 307.946

Protanomaly
18, 39.721, 292.476

Deuteranomaly
18, 33.093, 288.156

Tritanomaly
19, 19.389, 300.375

Monochromacy



Original Color
19, 47.888, 307.946

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 17.588, 304.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.888, 307.946 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(55, 31, 102)` looks like.

```
.text, #text, p{  
    color:rgb(55, 31, 102)  
}
```

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(55, 31, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 31, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.888, 307.946 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(55, 31, 102) }
```

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

```
.border{ border-color:rgb(55, 31, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 31, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 31, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 31, 102);  
box-shadow:4px 4px 4px 4px rgb(55, 31,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.888, 307.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 31, 102) }
```

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

```
.background{ background-color: rgb(55, 31,  
102) }
```

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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