

Converting Colors

CIELCh(19, 47.248, 310.493)

Have a look what the booklet for
CIELCh(19, 47.248, 310.493)
contains.

CIELCh(19, 47.305, 310.742)	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, 47.305, 310.742)

Conversions

Conversions Part 1

Format	Color
Hex	3C1D63
RGB	60, 29, 99
RGB Percent	24%, 11%, 39%
CMY	0.7644, 0.8860, 0.6115
CMYK	0.39, 0.71, 0.00, 0.61
HSL	267°, 55%, 25%
HSV	267°, 71%, 39%
XYZ	4.5640, 2.7468, 12.1116
YIQ	46.2490, -3.9940, 28.3420

Conversions

Conversions Part 2

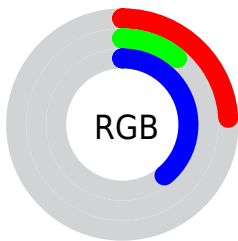
Format	Color
RYB	60, 29, 99
Decimal	3939683
CIELab	19.00, 30.87, -35.84
CIElCh	19, 47.305, 310.742
Yxy	2.7468, 0.2350, 0.1414
Android (android.graphics.Color)	4282129763 (0xFF3C1D63)
YUV	46.2490, 26.0062, 12.0596
Hunter-Lab	16.5735, 20.1520, -31.7265

Details

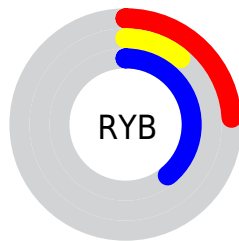
The CIELCh color **19, 47.305, 310.742** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 42.073, 124.252**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 47.174, 310.925**, and **3, 35.367, 304.835** is the 20% darker color. If you saturate the color by 10%, you get **16, 53.269, 311.078**, and if you desaturate by 10%, it is **22, 40.734, 310.257**.

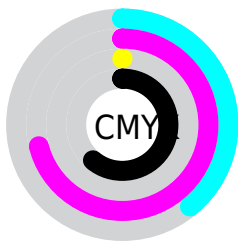
Distribution



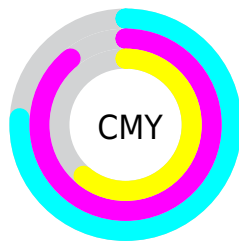
- Red (24%)
- Green (11%)
- Blue (39%)



- Red (24%)
- Yellow (11%)
- Blue (39%)



- Cyan (39%)
- Magenta (71%)
- Yellow (0%)
- Black (61%)





- Cyan (76%)
- Magenta (89%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.305, 310.742 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, 47.305, 310.742 by changing the saturation by 10% instead.

 19, 47.305,
310.742

 19, 47.305,
310.742

 100, 47.305,
310.742


 9, 47.305, 310.742


 39, 47.305,
310.742

 0, 47.305, 310.742

 49, 47.305,
310.742


 59, 47.305,
310.742


 69, 47.305,
310.742

 79, 47.305,
310.742


 89, 47.305,


310.742


 99, 47.305,
310.742


 19, 47.305,
310.742


 19, 47.305,
310.742


 16, 53.269,
311.078


 22, 40.734,
310.257


 14, 58.204,
311.163

 25, 33.881,
309.698

 12, 62.721,
311.343

 28, 26.959,
309.118

 32, 20.096,
308.551

 35, 13.364,
308.015

■ 38, 6.801, 307.517

■ 42, 0.422, 306.938

■ 45, 5.767, 126.687

■ 49, 11.769,
126.325

Harmonies

Complementary

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



19, 47.305, 310.742



38, 42.073, 124.252

Rectangle

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



19, 47.305, 310.742



19, 47.305, 0.742



19, 47.305, 130.742



19, 47.305, 180.742

Sweetspot

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



19, 47.305, 310.742



45, 17.009, 308.065



28, 22.149, 262.047



22, 11.633, 308.166



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, 47.305, 310.742



21, 68.963, 311.169



24, 47.867, 325.529



18, 3.503, 307.431



15, 68.595, 311.178



37, 120.764, 310.497

Inverse Universe

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



24, 36.328, 348.085



29, 49.943, 351.446



37, 48.169, 137.489



18, 2.965, 341.300



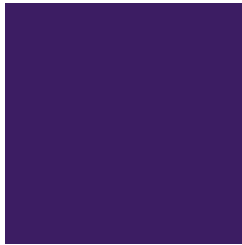
23, 47.241, 354.959



52, 81.825, 357.354

Previews

White Background



This preview shows how the CIE LCh color 19, 47.305, 310.742 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 CIE LCh color 19, 47.305, 310.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

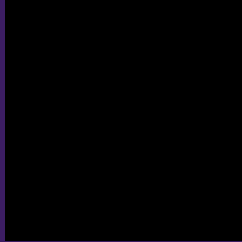
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 47.305, 310.742

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.305, 310.742.



This preview shows how white text looks on a background with the CIELCh color 19, 47.305, 310.742.

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, 47.305, 310.742

Protanopia

19, 35.230, 283.944

Deuteranopia

19, 25.443, 270.672



Tritanopia
19, 2.499, 324.680

Trichromacy



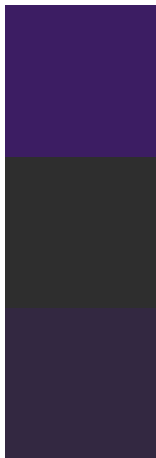
Original Color
19, 47.305, 310.742

Protanomaly
18, 39.771, 293.385

Deuteranomaly
18, 33.113, 289.323

Tritanomaly
19, 19.355, 310.225

Monochromacy



Original Color
19, 47.305, 310.742

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 17.878, 308.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.305, 310.742 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(60, 29, 99)` looks like.

```
.text, #text, p{  
    color:rgb(60, 29, 99)  
}
```

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(60, 29, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 29, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.305, 310.742 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(60, 29, 99) }
```

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

```
.border{ border-color:rgb(60, 29, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 29, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 29, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 29, 99);  
box-shadow:4px 4px 4px 4px rgb(60, 29, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.305, 310.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 29, 99) }
```

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

```
.background{ background-color: rgb(60, 29,  
99) }
```

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