

Converting Colors

CIELCh(18, 46.802, 321.376)

Have a look what the booklet for
CIELCh(18, 46.802, 321.376)
contains.

CIELCh(18, 47.111, 321.370)	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(18, 47.111, 321.370)

Conversions

Conversions Part 1

Format	Color
Hex	491157
RGB	73, 17, 87
RGB Percent	29%, 7%, 34%
CMY	0.7132, 0.9327, 0.6583
CMYK	0.16, 0.80, 0.00, 0.66
HSL	288°, 67%, 20%
HSV	288°, 80%, 34%
XYZ	4.6871, 2.5180, 9.2851
YIQ	41.7240, 10.9060, 33.6420

Conversions

Conversions Part 2

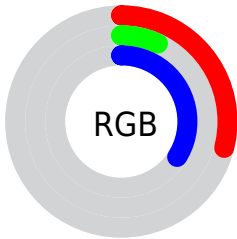
Format	Color
R_YB	73, 17, 87
Decimal	4788567
CIE _{Lab}	18.00, 36.80, -29.41
CIE _{LCh}	18, 47.111, 321.370
Yxy	2.5180, 0.2842, 0.1527
Android (android.graphics.Color)	4282978647 (0xFF491157)
YUV	41.7240, 22.3211, 27.4291
Hunter-Lab	15.8683, 24.9546, -23.5846

Details

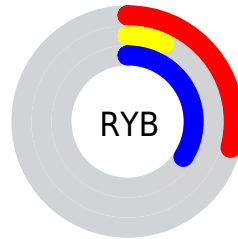
The CIELCh color **18, 47.111, 321.370** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 46.370, 134.529**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 47.136, 321.452**, and **4, 28.363, 315.257** is the 20% darker color. If you saturate the color by 10%, you get **17, 50.552, 321.289**, and if you desaturate by 10%, it is **20, 42.656, 321.293**.

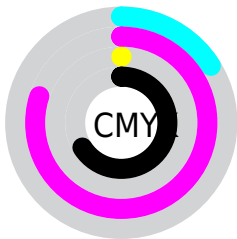
Distribution



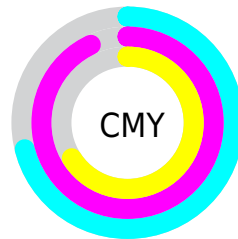
- Red (29%)
- Green (7%)
- Blue (34%)



- Red (29%)
- Yellow (7%)
- Blue (34%)



- Cyan (16%)
- Magenta (80%)
- Yellow (0%)
- Black (66%)





- Cyan (71%)
- Magenta (93%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 47.111, 321.370 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 18, 47.111, 321.370 by changing the saturation by 10% instead.

 18, 47.111,
321.370


 18, 47.111,
321.370


 100, 47.111,
321.370


 8, 47.111, 321.370


 38, 47.111,
321.370

 0, 47.111, 321.370

 48, 47.111,
321.370


 58, 47.111,
321.370


 68, 47.111,
321.370


 78, 47.111,
321.370

 88, 47.111,


321.370


 98, 47.111,
321.370


 18, 47.111,
321.370


 18, 47.111,
321.370


 17, 50.552,
321.289


 20, 42.656,
321.293

 15, 53.740,
321.223

 22, 37.401,
321.090

 24, 31.591,
320.794

 26, 25.443,
320.437

 29, 19.124,
320.044

■ 32, 12.758,
319.632

■ 34, 6.430, 319.211

■ 37, 0.197, 318.244

■ 40, 5.909, 138.457

Harmonies

Complementary

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



18, 47.111, 321.370



32, 46.370, 134.529

Rectangle

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



18, 47.111, 321.370



18, 47.111, 11.370



18, 47.111, 141.370



18, 47.111, 191.370

Sweetspot

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



18, 47.110, 321.370



39, 18.615, 319.817



14, 39.315, 295.242



18, 12.661, 319.906



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 47.110, 321.370



22, 62.945, 321.090



19, 38.725, 340.785



16, 3.471, 319.146



20, 62.112, 321.048



48, 110.618, 320.599

Inverse Universe

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



18, 34.073, 17.330



22, 47.988, 25.092



32, 39.904, 145.901



16, 2.202, 3.918



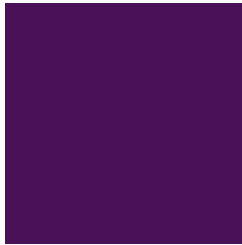
21, 47.887, 26.391



49, 87.953, 30.354

Previews

White Background



This preview shows how the CIELCh color 18, 47.111, 321.370 looks on a white background.

Color Contrast Check

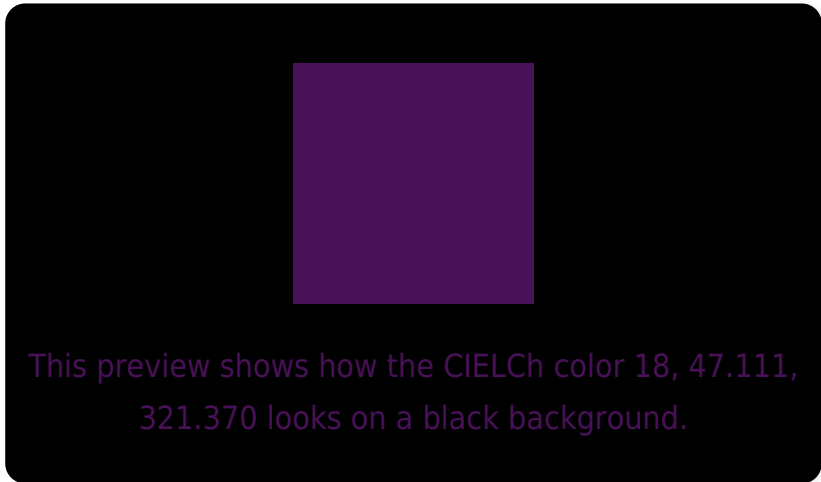
Large Text (above 18pt) WCAG AA ✓ Pass

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

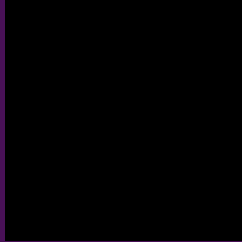
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 47.111, 321.370

Background



This preview shows how black text looks on a background with the CIELCh color 18, 47.111, 321.370.



This preview shows how white text looks on a background with the CIELCh color 18, 47.111, 321.370.

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

18, 47.111, 321.370

Protanopia

18, 34.037, 283.332

Deuteranopia

19, 25.188, 272.935



Tritanopia
19, 15.221, 15.720

Trichromacy



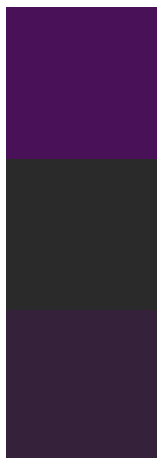
Original Color
18, 47.111, 321.370

Protanomaly
16, 39.484, 296.810

Deuteranomaly
16, 33.329, 295.168

Tritanomaly
18, 24.504, 338.559

Monochromacy



Original Color
18, 47.111, 321.370

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 19.381, 320.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 47.111, 321.370 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(73, 17, 87)` looks like.

```
.text, #text, p{  
    color:rgb(73, 17, 87)  
}
```

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(73, 17, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 17, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 47.111, 321.370 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(73, 17, 87) }
```

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

```
.border{ border-color:rgb(73, 17, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 17, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 17, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 17, 87);  
box-shadow:4px 4px 4px 4px rgb(73, 17, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 47.111, 321.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 17, 87) }
```

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

```
.background{ background-color: rgb(73, 17,  
87) }
```

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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