

Converting Colors

CIELCh(17, 47.424, 303.664)

Have a look what the booklet for
CIELCh(17, 47.424, 303.664)
contains.

CIELCh(17, 47.105, 303.770)	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(17, 47.105, 303.770)

Conversions

Conversions Part 1

Format	Color
Hex	291E63
RGB	41, 30, 99
RGB Percent	16%, 12%, 39%
CMY	0.8391, 0.8823, 0.6117
CMYK	0.59, 0.70, 0.00, 0.61
HSL	250°, 53%, 25%
HSV	250°, 70%, 39%
XYZ	3.6329, 2.3023, 12.0618
YIQ	41.1550, -15.5930, 23.7910

Conversions

Conversions Part 2

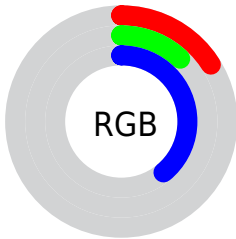
Format	Color
RYB	41, 30, 99
Decimal	2694755
CIELab	17.00, 26.18, -39.16
CIELCh	17, 47.105, 303.770
Yxy	2.3023, 0.2019, 0.1279
Android (android.graphics.Color)	4280884835 (0xFF291E63)
YUV	41.1550, 28.5176, -0.1359
Hunter-Lab	15.1734, 16.1835, -36.5101

Details

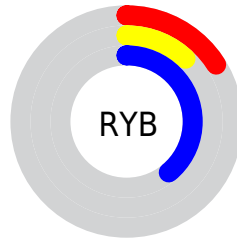
The CIELCh color **17, 47.105, 303.770** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 39.175, 112.082**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 47.173, 303.683**, and **2, 34.482, 297.155** is the 20% darker color. If you saturate the color by 10%, you get **14, 53.944, 305.047**, and if you desaturate by 10%, it is **20, 39.927, 302.432**.

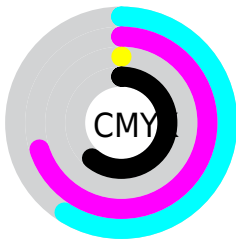
Distribution



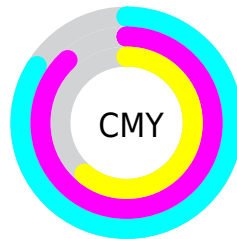
- Red (16%)
- Green (12%)
- Blue (39%)



- Red (16%)
- Yellow (12%)
- Blue (39%)



- Cyan (59%)
- Magenta (70%)
- Yellow (0%)
- Black (61%)



- Cyan (84%)
- Magenta (88%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 47.105, 303.770 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 17, 47.105, 303.770 by changing the saturation by 10% instead.

■ 17, 47.105,
303.770

■ 17, 47.105,
303.770

■ 100, 47.105,
303.770

■ 7, 47.105, 303.770

■ 37, 47.105,
303.770

■ 0, 47.105, 303.770

■ 47, 47.105,
303.770


■ 57, 47.105,
303.770


■ 67, 47.105,
303.770


■ 77, 47.105,
303.770


■ 87, 47.105,


303.770


 97, 47.105,
303.770


 17, 47.105,
303.770

 17, 47.105,
303.770

 14, 53.944,
305.047

 20, 39.927,
302.432


 11, 59.877,
306.090


 24, 32.738,
301.140

 9, 65.605, 307.278

 27, 25.699,
299.949

 9, 65.804, 307.326

 31, 18.875,
298.883

 35, 12.289,
297.942

■ 38, 5.939, 297.121

■ 42, 0.182, 116.394

■ 46, 6.089, 115.787

■ 49, 11.794,
115.251

Harmonies

Complementary

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



17, 47.105, 303.770



40, 39.175, 112.082

Rectangle

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



17, 47.105, 303.770



17, 47.105, 353.770



17, 47.105, 123.770



17, 47.105, 173.770

Sweetspot

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



17, 47.105, 303.771



44, 16.194, 298.113



35, 19.005, 217.369



21, 10.901, 298.277



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



17, 47.105, 303.771



18, 69.505, 305.786



21, 46.660, 316.680



18, 3.373, 297.058



11, 71.980, 307.226



31, 126.527, 306.861

Inverse Universe

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



25, 42.817, 333.294



30, 58.109, 334.370



37, 44.128, 131.117



18, 3.627, 329.619



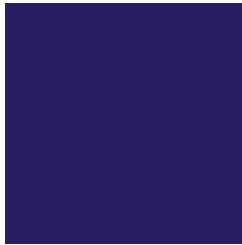
25, 55.993, 335.403



55, 97.168, 335.938

Previews

White Background



This preview shows how the CIE LCh color 17, 47.105, 303.770 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 17, 47.105, 303.770 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 17, 47.105, 303.770

Background



This preview shows how black text looks on a background with the CIELCh color 17, 47.105, 303.770.



This preview shows how white text looks on a background with the CIELCh color 17, 47.105, 303.770.

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

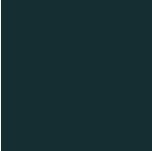
17, 47.105, 303.770

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 22.564, 267.482



Tritanopia
17, 10.279, 213.355

Trichromacy



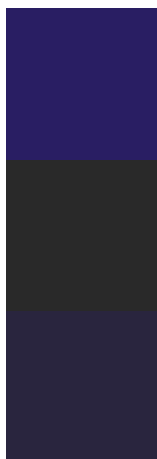
Original Color
17, 47.105, 303.770

Protanomaly
16, 37.501, 291.531

Deuteranomaly
16, 30.812, 286.521

Tritanomaly
16, 19.757, 283.192

Monochromacy



Original Color
17, 47.105, 303.770

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 17.631, 299.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 47.105, 303.770 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(41, 30, 99)` looks like.

```
.text, #text, p{  
    color:rgb(41, 30, 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(41, 30, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 30, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 47.105, 303.770 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(41, 30, 99) }
```

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

```
.border{ border-color:rgb(41, 30, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 30, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 30, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 30, 99);  
box-shadow:4px 4px 4px 4px rgb(41, 30, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 47.105, 303.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 30, 99) }
```

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

```
.background{ background-color: rgb(41, 30,  
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