

Converting Colors

CIELCh(16, 52.167, 332.221)

Have a look what the booklet for
CIELCh(16, 52.167, 332.221)
contains.

CIELCh(17, 47.674, 332.111)	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, 47.674, 332.111)

Conversions

Conversions Part 1

Format	Color
Hex	52004B
RGB	82, 0, 75
RGB Percent	32%, 0%, 29%
CMY	0.6766, 1.0000, 0.7078
CMYK	0.00, 1.00, 0.10, 0.68
HSL	306°, 100%, 16%
HSV	306°, 100%, 32%
XYZ	4.7660, 2.3023, 6.7607
YIQ	33.0680, 24.7970, 40.7090

Conversions

Conversions Part 2

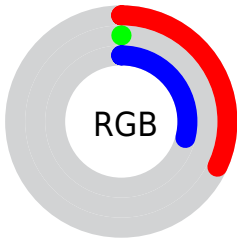
Format	Color
R_{YB}	82, 0, 75
Decimal	5374027
CIE _{Lab}	17.00, 42.14, -22.30
CIE _{LCh}	17, 47.674, 332.111
Yxy	2.3023, 0.3446, 0.1665
Android (android.graphics.Color)	4283564107 (0xFF52004B)
YUV	33.0680, 20.6725, 42.9134
Hunter-Lab	15.1734, 29.5141, -15.7958

Details

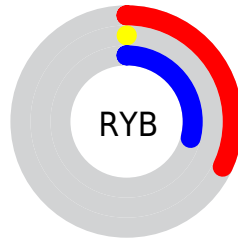
The CIELCh color **17, 47.674, 332.111** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 50.356, 137.928**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 47.257, 331.562**, and **4, 23.567, 331.003** is the 20% darker color. If you saturate the color by 10%, you get **17, 47.460, 332.113**, and if you desaturate by 10%, it is **18, 45.030, 331.696**.

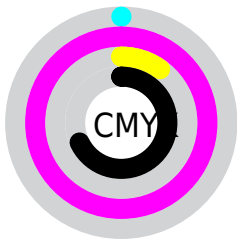
Distribution



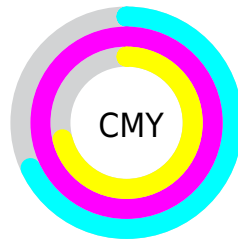
- Red (32%)
- Green (0%)
- Blue (29%)



- Red (32%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 47.674, 332.111 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, 47.674, 332.111 by changing the saturation by 10% instead.

 17, 47.674,
332.111


 17, 47.674,
332.111


 100, 47.674,
332.111


 7, 47.674, 332.111


 37, 47.674,
332.111

 0, 47.674, 332.111

 47, 47.674,
332.111


 57, 47.674,
332.111


 67, 47.674,
332.111


 77, 47.674,
332.111


 87, 47.674,

332.111


 97, 47.674,
332.111


 17, 47.674,
332.111


 17, 47.674,
332.111

 17, 47.460,
332.113

 18, 45.030,
331.696

 19, 42.400,
331.257

 20, 38.784,
330.797

 22, 34.319,
330.313

 24, 29.207,
329.806

■ 26, 23.652,
329.283

■ 28, 17.831,
328.748

■ 30, 11.884,
328.209

■ 33, 5.918, 327.665

Harmonies

Complementary

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



17, 47.674, 332.111



30, 50.356, 137.928

Rectangle

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



17, 47.674, 332.111



17, 47.674, 22.111



17, 47.674, 152.111



17, 47.674, 202.111

Sweetspot

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



17, 47.460, 332.113



36, 22.124, 328.804



6, 57.538, 306.425



16, 14.906, 328.930



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 47.460, 332.113



24, 56.795, 332.261



15, 37.178, 5.490



15, 3.276, 327.593



23, 55.847, 332.248



54, 99.655, 332.558

Inverse Universe

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



17, 47.460, 332.113



24, 56.795, 332.261



30, 34.434, 155.858



15, 3.276, 327.593



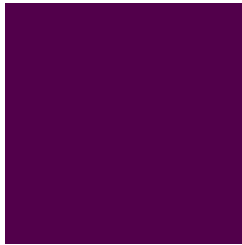
23, 55.847, 332.248



54, 99.655, 332.558

Previews

White Background



This preview shows how the CIE LCh color 17, 47.674, 332.111 looks on a white background.

Color Contrast Check

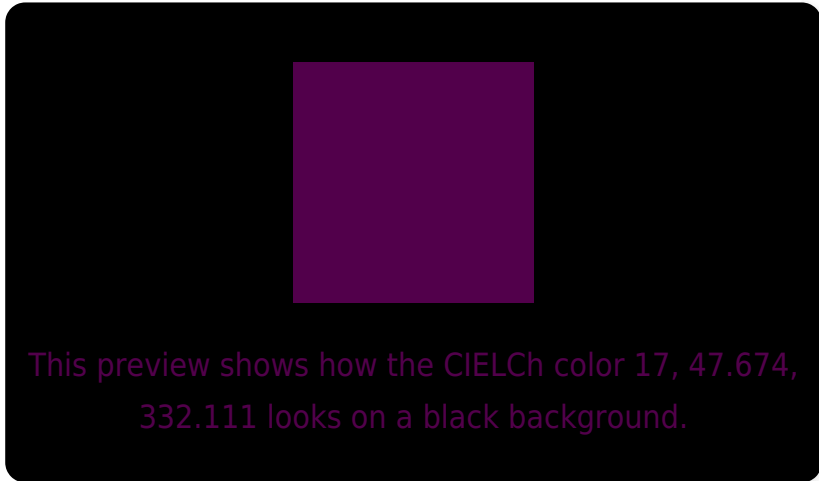
Large Text (above 18pt) WCAG AA ✓ Pass

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

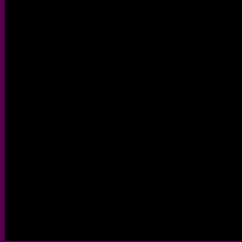
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 47.674, 332.111

Background



This preview shows how black text looks on a background with the CIELCh color 17, 47.674, 332.111.



This preview shows how white text looks on a background with the CIELCh color 17, 47.674, 332.111.

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, 47.663, 331.622

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 16.734, 280.287



Tritanopia
18, 25.489, 23.797

Trichromacy



Original Color
17, 47.663, 331.622

Protanomaly
15, 41.183, 300.303

Deuteranomaly
16, 30.922, 312.833

Tritanomaly
17, 31.497, 355.096

Monochromacy



Original Color
17, 47.663, 331.622

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 22.779, 330.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 47.674, 332.111 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(82, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 75)  
}
```

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(82, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 47.674, 332.111 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(82, 0, 75) }
```

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

```
.border{ border-color:rgb(82, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 75); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 75); box-shadow:4px  
4px 4px 4px rgb(82, 0, 75) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 47.674, 332.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 75) }
```

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

```
.background{ background-color: rgb(82, 0,  
75) }
```

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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