

Converting Colors

CIELCh(17, 47.504, 332.924)

Have a look what the booklet for
CIELCh(17, 47.504, 332.924)
contains.

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Color

CIELCh(17, 47.262, 332.651)

Conversions

Conversions Part 1

Format	Color
Hex	53004A
RGB	83, 0, 74
RGB Percent	33%, 0%, 29%
CMY	0.6760, 1.0000, 0.7112
CMYK	0.00, 1.00, 0.11, 0.68
HSL	307°, 100%, 16%
HSV	307°, 100%, 32%
XYZ	4.7538, 2.3023, 6.6113
YIQ	33.2530, 25.7140, 40.6100

Conversions

Conversions Part 2

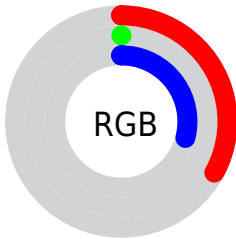
Format	Color
R_{YB}	83, 0, 74
Decimal	5439562
CIE _{Lab}	17.00, 41.98, -21.71
CIE _{LCh}	17, 47.262, 332.651
Yxy	2.3023, 0.3478, 0.1685
Android (android.graphics.Color)	4283629642 (0xFF53004A)
YUV	33.2530, 20.0883, 43.6281
Hunter-Lab	15.1734, 29.3704, -15.2123

Details

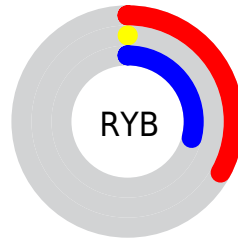
The CIELCh color **17, 47.262, 332.651** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 50.154, 138.154**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 46.995, 332.491**, and **4, 23.395, 333.478** is the 20% darker color. If you saturate the color by 10%, you get **17, 47.113, 332.654**, and if you desaturate by 10%, it is **18, 44.715, 332.201**.

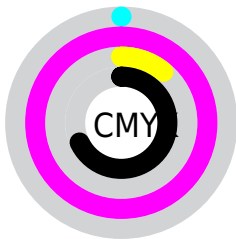
Distribution



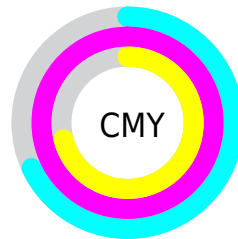
- Red (33%)
- Green (0%)
- Blue (29%)



- Red (33%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (68%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 47.262, 332.651 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, 47.262, 332.651 by changing the saturation by 10% instead.

 17, 47.262,
332.651


 17, 47.262,
332.651


 100, 47.262,
332.651


 7, 47.262, 332.651


 37, 47.262,
332.651

 0, 47.262, 332.651

 47, 47.262,
332.651


 57, 47.262,
332.651


 67, 47.262,
332.651


 77, 47.262,
332.651


 87, 47.262,

332.651


 97, 47.262,
332.651


 17, 47.262,
332.651


 17, 47.262,
332.651


 17, 47.113,
332.654

 18, 44.715,
332.201

 19, 42.116,
331.727

 20, 38.531,
331.239

 22, 34.097,
330.734

 24, 29.018,
330.211

■ 26, 23.498,
329.675

■ 28, 17.713,
329.132

■ 30, 11.805,
328.585

■ 33, 5.878, 328.036

Harmonies

Complementary

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



17, 47.262, 332.651



30, 50.154, 138.154

Rectangle

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



17, 47.262, 332.651



17, 47.262, 22.651



17, 47.262, 152.651



17, 47.262, 202.651

Sweetspot

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



17, 47.113, 332.654



36, 21.942, 329.188



6, 57.593, 306.602



16, 14.783, 329.315



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, 47.113, 332.654



24, 56.287, 332.823



15, 37.221, 6.991



15, 3.249, 327.963



23, 55.349, 332.809



54, 98.706, 333.167

Inverse Universe

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



17, 47.113, 332.654



24, 56.287, 332.823



30, 33.861, 156.871



15, 3.249, 327.963



23, 55.349, 332.809



54, 98.706, 333.167

Previews

White Background



This preview shows how the CIELCh color 17, 47.262, 332.651 looks on a white background.

Color Contrast Check

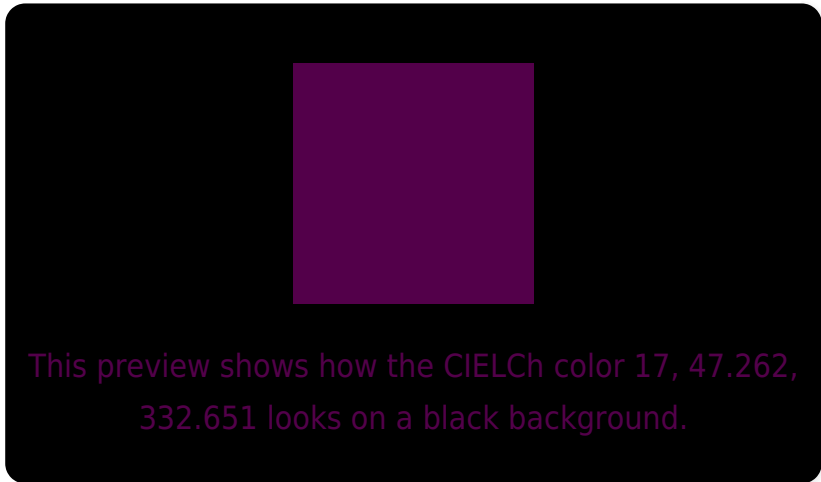
Large Text (above 18pt) WCAG AA ✓ Pass

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

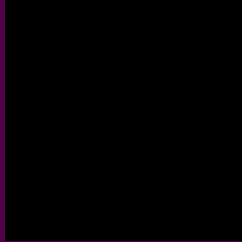
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 47.262, 332.651

Background



This preview shows how black text looks on a background with the CIELCh color 17, 47.262, 332.651.



This preview shows how white text looks on a background with the CIELCh color 17, 47.262, 332.651.

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, 47.262, 332.651

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 16.018, 280.614



Tritanopia
19, 25.987, 23.994

Trichromacy



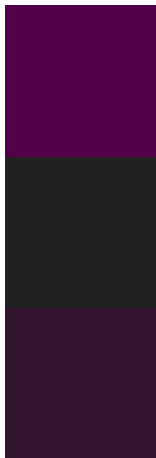
Original Color
17, 47.262, 332.651

Protanomaly
15, 40.538, 300.214

Deuteranomaly
16, 30.359, 313.925

Tritanomaly
17, 31.497, 355.096

Monochromacy



Original Color
17, 47.262, 332.651

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, 47.262, 332.651 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(83, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 74)  
}
```

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(83, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 47.262, 332.651 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(83, 0, 74) }
```

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

```
.border{ border-color:rgb(83, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 74); box-shadow:4px  
4px 4px 4px rgb(83, 0, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 47.262, 332.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 74) }
```

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

```
.background{ background-color: rgb(83, 0,  
74) }
```

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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