

Converting Colors

CIELCh(17, 33.538, 341.937)

Have a look what the booklet for
CIELCh(17, 33.538, 341.937)
contains.

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Color

CIELCh(17, 33.402, 342.339)

Conversions

Conversions Part 1

Format	Color
Hex	4D1239
RGB	77, 18, 57
RGB Percent	30%, 7%, 22%
CMY	0.6982, 0.9296, 0.7766
CMYK	0.00, 0.77, 0.26, 0.70
HSL	320°, 62%, 19%
HSV	320°, 77%, 30%
XYZ	4.0105, 2.3023, 4.0990
YIQ	40.0870, 22.6450, 24.6370

Conversions

Conversions Part 2

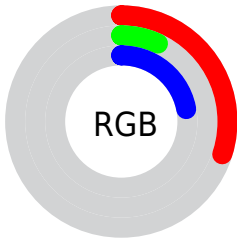
Format	Color
R_{YB}	77, 18, 57
Decimal	5050937
CIE _{Lab}	17.00, 31.83, -10.13
CIE _{LCh}	17, 33.402, 342.339
Yxy	2.3023, 0.3852, 0.2211
Android (android.graphics.Color)	4283241017 (0xFF4D1239)
YUV	40.0870, 8.3381, 32.3727
Hunter-Lab	15.1734, 20.6254, -5.3955

Details

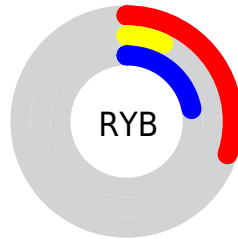
The CIELCh color **17, 33.402, 342.339** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 33.763, 148.154**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 33.488, 342.140**, and **3, 13.075, 355.267** is the 20% darker color. If you saturate the color by 10%, you get **16, 35.797, 343.684**, and if you desaturate by 10%, it is **18, 30.178, 341.188**.

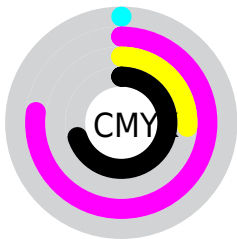
Distribution



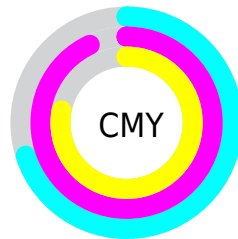
- Red (30%)
- Green (7%)
- Blue (22%)



- Red (30%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (26%)
- Black (70%)





- Cyan (70%)
- Magenta (93%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 33.402, 342.339 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, 33.402, 342.339 by changing the saturation by 10% instead.

 17, 33.402,
342.339


 17, 33.402,
342.339


 100, 33.402,
342.339


 7, 33.402, 342.339


 37, 33.402,
342.339

 0, 33.402, 342.339

 47, 33.402,
342.339


 57, 33.402,
342.339


 67, 33.402,
342.339


 77, 33.402,
342.339


 87, 33.402,


342.339


 97, 33.402,
342.339


 17, 33.402,
342.339


 17, 33.402,
342.339


 16, 35.797,
343.684

 18, 30.178,
341.188


 15, 37.829,
345.081

 20, 26.312,
340.178

 14, 38.572,
345.512

 22, 21.994,
339.273

 24, 17.396,
338.448

 26, 12.656,
337.684

■ 29, 7.876, 336.967

■ 31, 3.127, 336.269

■ 34, 1.545, 155.816

■ 36, 6.111, 155.142

Harmonies

Complementary

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



17, 33.402, 342.339



28, 33.763, 148.154

Rectangle

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



17, 33.402, 342.339



17, 33.402, 32.339



17, 33.402, 162.339



17, 33.402, 212.339

Sweetspot

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



17, 33.400, 342.339



35, 13.487, 337.476



12, 41.730, 308.113



17, 9.418, 337.632



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 33.400, 342.339



21, 44.312, 345.046



16, 29.791, 18.220



14, 2.610, 336.411



21, 46.506, 346.430



51, 83.032, 348.228

Inverse Universe

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



17, 33.400, 342.339



21, 44.312, 345.046



29, 21.258, 178.839



14, 2.610, 336.411



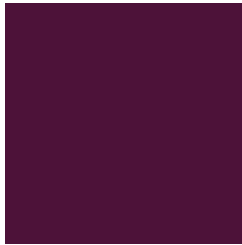
21, 46.506, 346.430



51, 83.032, 348.228

Previews

White Background



This preview shows how the CIELCh color 17, 33.402, 342.339 looks on a white background.

Color Contrast Check

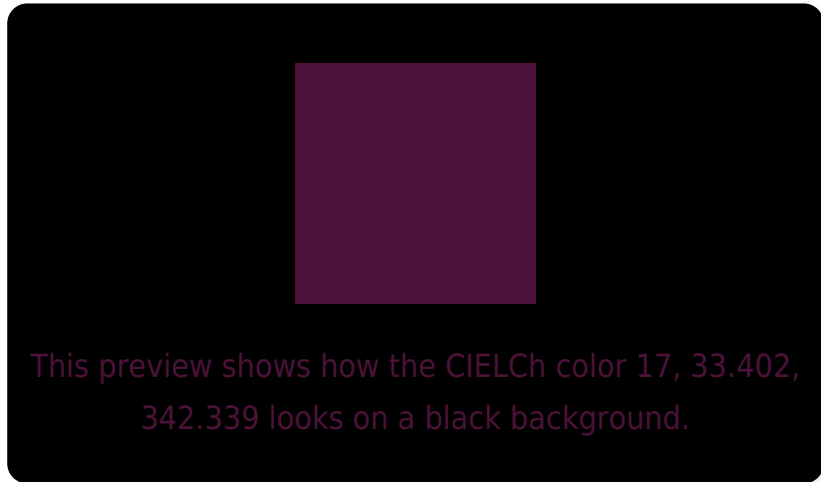
Large Text (above 18pt) WCAG AA ✓ Pass

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

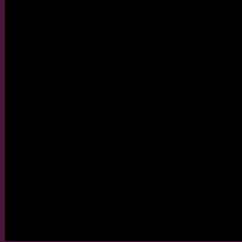
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 33.402, 342.339

Background



This preview shows how black text looks on a background with the CIELCh color 17, 33.402, 342.339.



This preview shows how white text looks on a background with the CIELCh color 17, 33.402, 342.339.

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, 33.402, 342.339

Protanopia

18, 22.955, 284.327

Deuteranopia

18, 7.610, 292.078



Tritanopia
17, 25.161, 23.921

Trichromacy



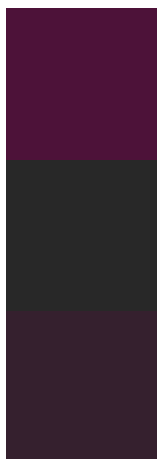
Original Color
17, 33.402, 342.339

Protanomaly
16, 24.900, 306.446

Deuteranomaly
17, 17.237, 326.191

Tritanomaly
17, 26.272, 6.323

Monochromacy



Original Color
17, 33.402, 342.339

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 13.813, 338.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 33.402, 342.339 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(77, 18, 57)` looks like.

```
.text, #text, p{  
    color:rgb(77, 18, 57)  
}
```

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(77, 18, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 18, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 33.402, 342.339 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(77, 18, 57) }
```

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

```
.border{ border-color:rgb(77, 18, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 18, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 18, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 18, 57);  
box-shadow:4px 4px 4px 4px rgb(77, 18, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 33.402, 342.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 18, 57) }
```

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

```
.background{ background-color: rgb(77, 18,  
57) }
```

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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