

Converting Colors

CIELCh(17, 37.316, 336.884)

Have a look what the booklet for
CIELCh(17, 37.316, 336.884)
contains.

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Color

CIELCh(17, 37.135, 337.462)

Conversions

Conversions Part 1

Format	Color
Hex	4E0F3F
RGB	78, 15, 63
RGB Percent	31%, 6%, 25%
CMY	0.6950, 0.9421, 0.7537
CMYK	0.00, 0.81, 0.19, 0.69
HSL	314°, 68%, 18%
HSV	314°, 81%, 31%
XYZ	4.1837, 2.3023, 4.8982
YIQ	39.3090, 22.1400, 28.2840

Conversions

Conversions Part 2

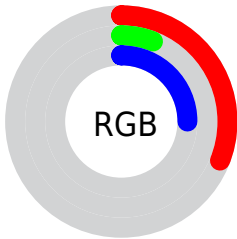
Format	Color
RYB	78, 15, 63
Decimal	5115711
CIELab	17.00, 34.30, -14.23
CIElCh	17, 37.135, 337.462
Yxy	2.3023, 0.3675, 0.2022
Android (android.graphics.Color)	4283305791 (0xFF4E0F3F)
YUV	39.3090, 11.6797, 33.9320
Hunter-Lab	15.1734, 22.6633, -8.5181




Details

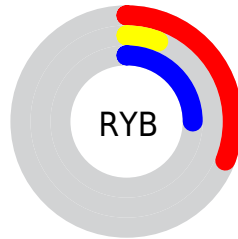
The CIELCh color **17, 37.135, 337.462** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 38.484, 143.883**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 36.870, 337.121**, and **3, 15.690, 343.084** is the 20% darker color. If you saturate the color by 10%, you get **16, 39.361, 338.395**, and if you desaturate by 10%, it is **18, 34.063, 336.613**.

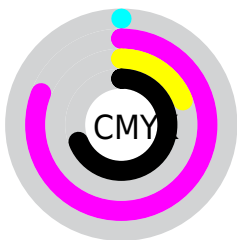
Distribution







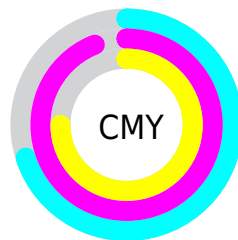
-  Red (31%)
-  Green (6%)
-  Blue (25%)






-  Red (31%)
-  Yellow (6%)
-  Blue (25%)



-  Cyan (0%)
-  Magenta (81%)
-  Yellow (19%)
-  Black (69%)




-  Cyan (70%)
-  Magenta (94%)
-  Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 37.135, 337.462 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, 37.135, 337.462 by changing the saturation by 10% instead.

 17, 37.135,
337.462


 17, 37.135,
337.462

 100, 37.135,
337.462


 7, 37.135, 337.462

 37, 37.135,
337.462

 0, 37.135, 337.462

 47, 37.135,
337.462


 57, 37.135,
337.462


 67, 37.135,
337.462

 77, 37.135,
337.462


 87, 37.135,


337.462


 97, 37.135,
337.462


 17, 37.135,
337.462


 17, 37.135,
337.462


 16, 39.361,
338.395


 18, 34.063,
336.613

 15, 41.364,
339.189

 20, 30.217,
335.833

 22, 25.793,
335.103

 24, 20.977,
334.411

 26, 15.933,
333.749

■ 28, 10.786,
333.112

■ 30, 5.627, 332.493

■ 33, 0.521, 331.629

■ 35, 4.494, 151.423

Harmonies

Complementary

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



17, 37.135, 337.462



28, 38.484, 143.883

Rectangle

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



17, 37.135, 337.462



17, 37.135, 27.462



17, 37.135, 157.462



17, 37.135, 207.462

Sweetspot

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



17, 37.134, 337.462



36, 15.424, 333.357



10, 44.689, 306.260



16, 10.465, 333.481



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, 37.134, 337.462



22, 49.026, 339.398



16, 30.943, 11.755



14, 2.806, 332.344



21, 49.587, 339.707



52, 88.702, 340.760

Inverse Universe

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



17, 37.134, 337.462



22, 49.026, 339.398



29, 24.428, 169.550



14, 2.806, 332.344



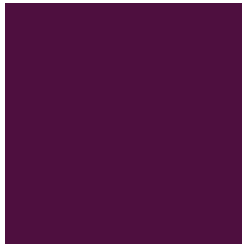
21, 49.587, 339.707



52, 88.702, 340.760

Previews

White Background



This preview shows how the CIELCh color 17, 37.135, 337.462 looks on a white background.

Color Contrast Check

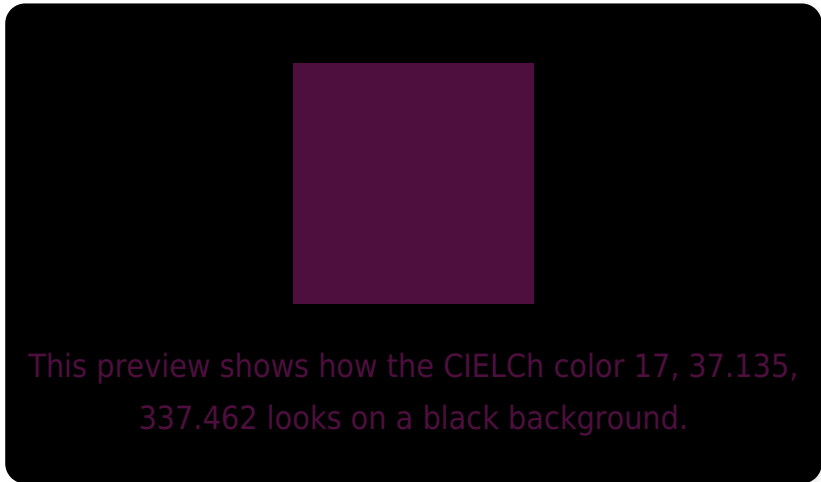
Large Text (above 18pt) WCAG AA ✓ Pass

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

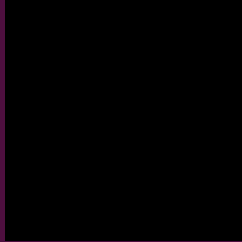
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 37.135, 337.462

Background



This preview shows how black text looks on a background with the CIELCh color 17, 37.135, 337.462.



This preview shows how white text looks on a background with the CIELCh color 17, 37.135, 337.462.

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, 37.135, 337.462

Protanopia

18, 29.181, 284.443

Deuteranopia

18, 11.097, 286.553



Tritanopia
18, 24.763, 25.067

Trichromacy



Original Color
17, 37.135, 337.462

Protanomaly
16, 30.843, 301.829

Deuteranomaly
16, 20.716, 319.825

Tritanomaly
17, 26.903, 2.719

Monochromacy



Original Color
17, 37.135, 337.462

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 16.334, 333.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 37.135, 337.462 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(78, 15, 63)` looks like.

```
.text, #text, p{  
    color:rgb(78, 15, 63)  
}
```

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(78, 15, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 15, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 37.135, 337.462 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(78, 15, 63) }
```

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

```
.border{ border-color:rgb(78, 15, 63) }
```

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

Here you see how a box with a 4 pixel rgb(78, 15, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 15, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 15, 63);  
box-shadow:4px 4px 4px 4px rgb(78, 15, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 37.135, 337.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 15, 63) }
```

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

```
.background{ background-color: rgb(78, 15,  
63) }
```

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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