

# Converting Colors

CIELCh(17, 29.547, 323.548)

Have a look what the booklet for  
CIELCh(17, 29.547, 323.548)  
contains.

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**Color**

**CIELCh(17, 29.629, 323.975)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3F1C43
RGB	63, 28, 67
RGB Percent	25%, 11%, 26%
CMY	0.7525, 0.8898, 0.7368
CMYK	0.06, 0.58, 0.00, 0.74
HSL	294°, 41%, 19%
HSV	294°, 58%, 26%
XYZ	3.4910, 2.3023, 5.5877
YIQ	42.9110, 8.3410, 19.5490

# Conversions

## Conversions Part 2

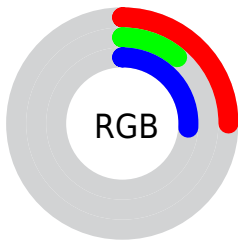
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	63, 28, 67
Decimal	4136003
CIE <sub>Lab</sub>	17.00, 23.96, -17.43
CIE <sub>LCh</sub>	17, 29.629, 323.975
Yxy	2.3023, 0.3067, 0.2023
Android (android.graphics.Color)	4282326083 (0xFF3F1C43)
YUV	42.9110, 11.8759, 17.6181
Hunter-Lab	15.1734, 14.5149, -11.2124

# Details

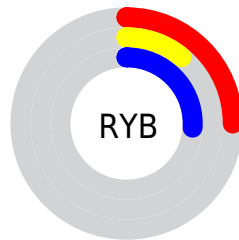
The CIELCh color **17, 29.629, 323.975** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 29.470, 138.112**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 29.843, 324.223**, and **1, 12.833, 308.392** is the 20% darker color. If you saturate the color by 10%, you get **15, 33.988, 324.252**, and if you desaturate by 10%, it is **19, 24.851, 323.635**.

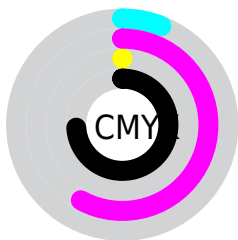
# Distribution



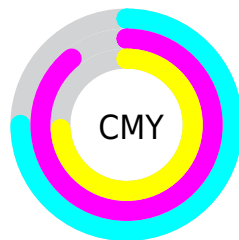
- Red (25%)
- Green (11%)
- Blue (26%)



- Red (25%)
- Yellow (11%)
- Blue (26%)



- Cyan (6%)
- Magenta (58%)
- Yellow (0%)
- Black (74%)




- Cyan (75%)
- Magenta (89%)
- Yellow (74%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 29.629, 323.975 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, 29.629, 323.975 by changing the saturation by 10% instead.




 17, 29.629,  
323.975


 17, 29.629,  
323.975


 100, 29.629,  
323.975


 7, 29.629, 323.975

 37, 29.629,  
323.975

 0, 29.629, 323.975

 47, 29.629,  
323.975


 57, 29.629,  
323.975


 67, 29.629,  
323.975


 77, 29.629,  
323.975


 87, 29.629,


323.975


 97, 29.629,  
323.975


 17, 29.629,  
323.975


 17, 29.629,  
323.975


 15, 33.988,  
324.252


 19, 24.851,  
323.635

 14, 37.761,  
324.444

 21, 19.809,  
323.250

 13, 40.834,  
324.541

 23, 14.625,  
322.837

 12, 43.937,  
324.659

 25, 9.396, 322.407

 12, 44.557,  
324.689

 27, 4.187, 321.964

 29, 0.955, 141.679

■ 31, 5.999, 141.172

■ 33, 10.928,  
140.768

■ 35, 15.732,  
140.387

# Harmonies

# Complementary

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



17, 29.629, 323.975



25, 29.470, 138.112

# Rectangle

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



17, 29.629, 323.975



17, 29.629, 13.975



17, 29.629, 143.975



17, 29.629, 193.975

# Sweetspot

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



17, 29.628, 323.975



32, 10.903, 322.388



14, 24.478, 293.157



15, 7.179, 322.413



70, 0.009, 296.813



18, 0.003, 296.813





# Same Dimension

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



17, 29.628, 323.975



21, 42.627, 324.354



17, 23.417, 342.484



12, 2.839, 321.981



20, 57.251, 324.495



49, 105.670, 324.213



# Inverse Universe

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



16, 20.271, 17.905



19, 30.637, 21.438



25, 22.917, 152.729



12, 1.702, 11.472



18, 46.364, 31.101



47, 90.506, 36.285



# Previews

## White Background



This preview shows how the CIE LCh color 17, 29.629, 323.975 looks on a white background.

## Color Contrast Check

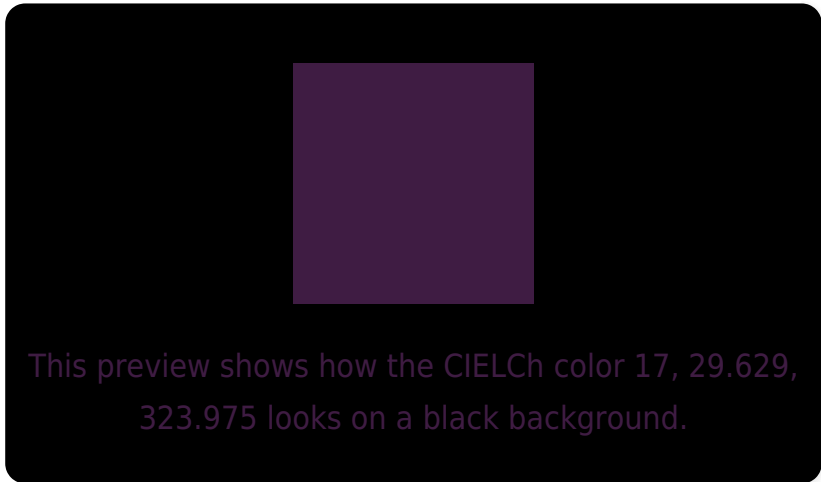
Large Text (above 18pt) WCAG AA ✓ Pass

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

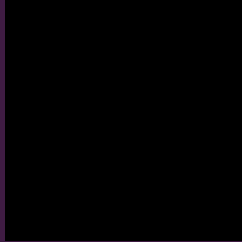
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 17, 29.629, 323.975

## Background



This preview shows how black text looks on a background with the CIELCh color 17, 29.629, 323.975.



This preview shows how white text looks on a background with the CIELCh color 17, 29.629, 323.975.

# 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, 29.629, 323.975

### Protanopia

17, 27.194, 285.754

### Deuteranopia

18, 15.575, 278.907





**Tritanopia**  
17, 11.737, 12.426

# Trichromacy



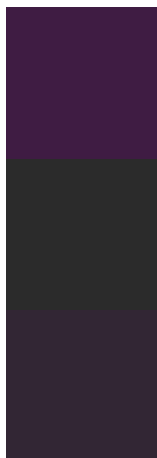
**Original Color**  
17, 29.629, 323.975

**Protanomaly**  
16, 27.212, 298.179

**Deuteranomaly**  
17, 19.645, 300.579

**Tritanomaly**  
17, 16.542, 342.364

# Monochromacy



**Original Color**  
17, 29.629, 323.975

**Achromatopsia**  
18, 0.003, 296.813

**Achromatomaly**  
17, 11.180, 321.536

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 17, 29.629, 323.975 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(63, 28, 67)` looks like.

```
.text, #text, p{  
    color:rgb(63, 28, 67)  
}
```

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(63, 28, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 28, 67) }
```

## Border

The CSS property to change the border of an element to CIELCh 17, 29.629, 323.975 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(63, 28, 67) }
```

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

```
.border{ border-color:rgb(63, 28, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 28, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 28, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 28, 67);  
box-shadow:4px 4px 4px 4px rgb(63, 28, 67)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 17, 29.629, 323.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 28, 67) }
```

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

```
.background{ background-color: rgb(63, 28,  
67) }
```

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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