

# Converting Colors

XYZ(28.7712, 17.4408, 18.6796)

Have a look what the booklet for  
XYZ(28.7712, 17.4408, 18.6796)  
contains.

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# Color

**XYZ(28.7712, 17.4408,  
18.6796)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C74375
RGB	199, 67, 117
RGB Percent	78%, 26%, 46%
CMY	0.2196, 0.7372, 0.5412
CMYK	0.00, 0.66, 0.41, 0.22
HSL	337°, 54%, 52%
HSV	337°, 66%, 78%
XYZ	28.7712, 17.4408, 18.6796
YIQ	112.1680, 62.6220, 43.5340

# Conversions

## Conversions Part 2

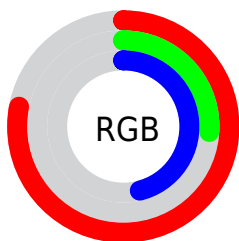
Format	Color
<a href="#">RYB</a>	<a href="#">199, 67, 117</a>
Decimal	<a href="#">13058933</a>
CIELab	<a href="#">48.81, 56.36, 0.61</a>
CIELCh	<a href="#">49, 56.366, 0.622</a>
Yxy	<a href="#">17.4408, 0.4434, 0.2688</a>
Android (android.graphics.Color)	<a href="#">4291249013</a> <a href="#">(0xFFC74375)</a>
YUV	<a href="#">112.1680, 2.3822, 76.1517</a>
Hunter-Lab	<a href="#">41.7622, 49.8901, 2.7140</a>

# Details

The XYZ color **28.7712, 17.4408, 18.6796** is a dark color, and the websafe version is hex **CC3366**, and the color name is **fuchsia rose**. The color can be described as dark muted rose. A complement of this color would be **28.1641, 44.2105, 35.4861**, and the grayscale version is **15.4317, 16.2353, 17.6803**.

A 20% lighter version of the original color is **55.4844, 38.2905, 42.0026**, and **11.8894, 6.0051, 6.1627** is the 20% darker color. If you saturate the color by 10%, you get **27.1052, 15.1963, 14.7717**, and if you desaturate by 10%, it is **30.9405, 20.5383, 23.2292**.

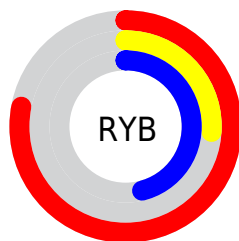
# Distribution



Red (78%)

Green (26%)

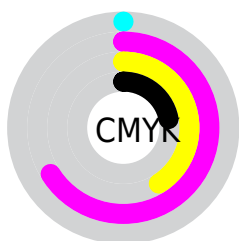
Blue (46%)



Red (78%)

Yellow (26%)

Blue (46%)

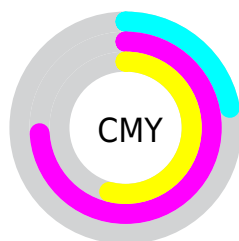


Cyan (0%)

Magenta (66%)

Yellow (41%)

Black (22%)



Cyan (22%)

Magenta (74%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7712, 17.4408, 18.6796 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 XYZ color 28.7712, 17.4408, 18.6796 by changing the saturation by 10% instead.





 28.7712, 17.4408,  
18.6796


 28.7712, 17.4408,  
18.6796


288.1476,  
237.6999, 257.0377


 19.0512, 10.5493,  
11.2645


 57.1134, 39.0821,  
42.0215


 11.8115, 5.7646,  
6.1286


 76.4664, 54.6007,  
58.7853


 6.6867, 2.7025,  
2.8534


 99.7611, 73.7638,  
79.5025

 3.3116, 0.9785,  
1.0203

 127.3629, 96.9557,  
104.5916

 1.3206, 0.0000,  
0.0000

 159.6370,  
124.5609, 134.4712

 0.1985, 0.0000,  
0.0000

196.9490,


 0.0000, 0.0000,


156.9637, 169.5597


0.0000


239.6640,  
194.5486, 210.2757


 28.7712, 17.4408,  
18.6796


 28.7712, 17.4408,  
18.6796


 27.1052, 15.1963,  
14.7717


 30.9405, 20.5383,  
23.2292

 25.8936, 13.7131,  
11.4704


 33.6528, 24.5623,  
28.4508


 25.0772, 12.8786,  
8.7365


 36.9450, 29.5816,  
34.3733


 24.8359, 12.6552,  
7.8572


 40.8505, 35.6577,  
41.0236

 45.3998, 42.8468,  
48.4269

 50.6216, 51.2015,  
56.6074

 56.5427, 60.7708,  
65.5878

 63.1882, 71.6009,  
75.3899

 70.5823, 83.7356,  
86.0348

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.9484, 17.4408, 36.8638



28.7712, 17.4408, 18.6796



26.7980, 17.4408, 7.7909

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.7712, 17.4408, 18.6796



11.9730, 17.4408, 3.4418



12.1257, 17.4408, 56.6524

# Complementary

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



28.7712, 17.4408, 18.6796



28.1641, 44.2105, 35.4861

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.3546, 17.4408, 37.7117



28.7712, 17.4408, 18.6796



9.2803, 17.4408, 8.0933

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.7712, 17.4408, 18.6796



16.4682, 17.4408, 2.3116



8.4315, 17.4408, 19.3040



16.6862, 17.4408, 64.6571



# Rectangle

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



28.7712, 17.4408, 18.6796



23.7927, 17.4408, 4.3122



8.4315, 17.4408, 19.3040



10.9911, 17.4408, 50.9907

# Sweetspot

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



28.7717, 17.4417, 18.6799



76.1949, 69.7905, 79.4909



24.6022, 14.4724, 55.5294



15.8254, 14.1746, 16.2263



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



28.7717, 17.4417, 18.6799



46.3376, 25.1932, 22.9343



27.6146, 18.6436, 7.4546



10.7973, 10.7023, 11.9158



16.0096, 8.1534, 5.2604



0.7932, 0.4001, 0.4341



# Inverse Universe

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



28.7717, 17.4417, 18.6799



46.3376, 25.1932, 22.9343



29.6817, 39.4324, 60.0795



10.7973, 10.7023, 11.9158



16.0096, 8.1534, 5.2604



0.7932, 0.4001, 0.4341



# Previews

## White Background



This preview shows how the XYZ color 28.7712, 17.4408, 18.6796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

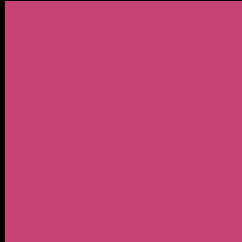
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.7712, 17.4408, 18.6796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

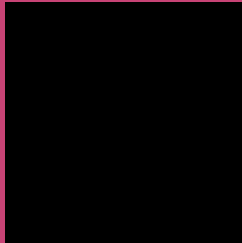
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 28.7712, 17.4408, 18.6796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7712, 17.4408, 18.6796.



This preview shows how white text looks on a background with the XYZ color 28.7712, 17.4408,



# 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

28.7712, 17.4408, 18.6796

### Protanopia

17.7039, 17.6193, 30.0715

### Deuteranopia

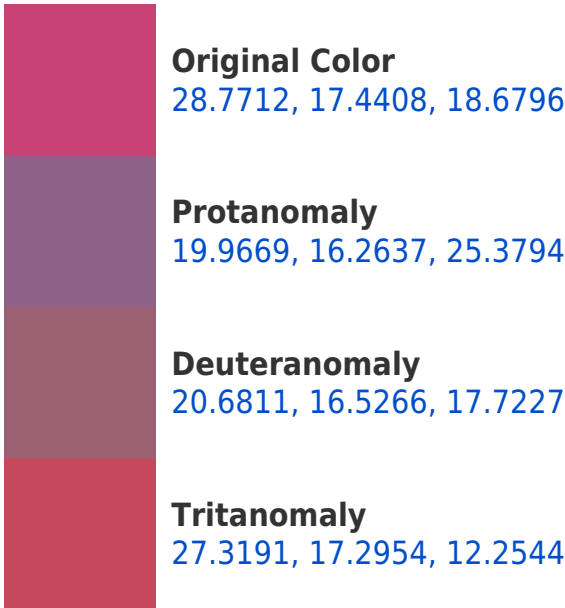
17.9255, 17.6819, 17.2200



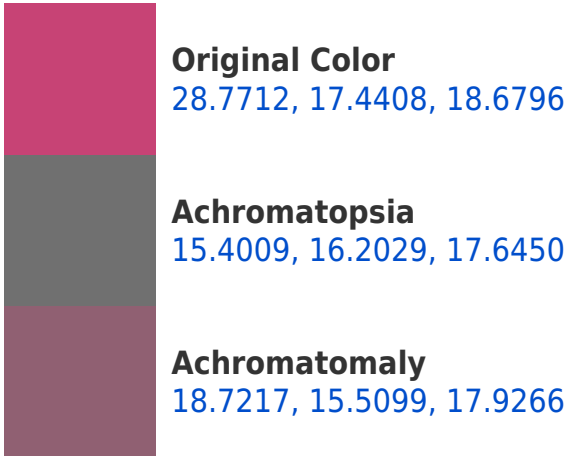
## Tritanopia

26.7290, 17.3471, 9.5290

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7712, 17.4408, 18.6796 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(199, 67, 117)` looks like.

```
.text, #text, p{  
    color:rgb(199, 67, 117)  
}
```

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(199, 67, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 67, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7712, 17.4408, 18.6796 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(199, 67, 117) }
```



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

```
.border{ border-color:rgb(199, 67, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 67, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 67, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 67, 117);  
box-shadow:4px 4px 4px 4px rgb(199, 67,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7712, 17.4408, 18.6796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 67, 117) }
```

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

```
.background{ background-color: rgb(199, 67,  
117) }
```

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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