

# Converting Colors

XYZ(24.4474, 17.9393, 18.7172)

Have a look what the booklet for  
XYZ(24.4474, 17.9393, 18.7172)  
contains.

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# Color

**XYZ(24.4351, 17.9139,  
18.6929)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE5C74
RGB	174, 92, 116
RGB Percent	68%, 36%, 45%
CMY	0.3176, 0.6392, 0.5451
CMYK	0.00, 0.47, 0.33, 0.32
HSL	342°, 34%, 52%
HSV	342°, 47%, 68%
XYZ	24.4351, 17.9139, 18.6929
YIQ	119.2540, 41.1680, 24.8480

# Conversions

## Conversions Part 2

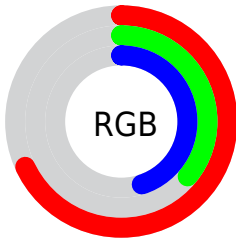
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 92, 116
Decimal	11426932
CIE Lab	49.39, 36.07, 1.59
CIE LCh	49, 36.103, 2.520
Yxy	17.9139, 0.4003, 0.2935
Android (android.graphics.Color)	4289617012 (0xFFAE5C74)
YUV	119.2540, -1.6042, 48.0122
Hunter-Lab	42.3248, 28.9838, 3.4417

# Details

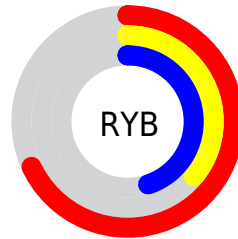
The XYZ color **24.4351, 17.9139, 18.6929** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.0556, 34.7499, 34.2428**, and the grayscale version is **17.6113, 18.5285, 20.1775**.

A 20% lighter version of the original color is **50.3199, 39.9295, 42.1008**, and **9.4791, 5.9952, 6.1264** is the 20% darker color. If you saturate the color by 10%, you get **22.4281, 14.9706, 14.7226**, and if you desaturate by 10%, it is **26.8842, 21.5892, 23.2789**.

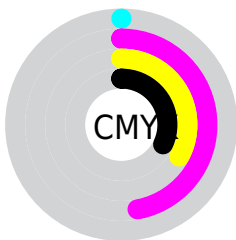
# Distribution



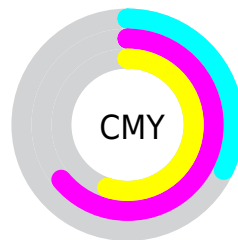
- Red (68%)
- Green (36%)
- Blue (45%)



- Red (68%)
- Yellow (36%)
- Blue (45%)



- Cyan (0%)
- Magenta (47%)
- Yellow (33%)
- Black (32%)



- Cyan (32%)
- Magenta (64%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4351, 17.9139, 18.6929 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 24.4351, 17.9139, 18.6929 by changing the saturation by 10% instead.



■ 24.4351, 17.9139,  
18.6929

■ 24.4351, 17.9139,  
18.6929

267.4127,  
240.3853, 257.1141

■ 15.7832, 10.8882,  
11.2740

■ 50.1888, 39.8906,  
42.0443

■ 9.4607, 5.9917,  
6.1350

■ 68.0213, 55.6103,  
58.8139

■ 5.1024, 2.8400,  
2.8572

■ 89.6447, 74.9968,  
79.5375

■ 2.3428, 1.0488,  
1.0222

■ 115.4244, 98.4346,  
104.6336

■ 0.8165, 0.0000,  
0.0000

145.7257,  
126.3079, 134.5207

■ 0.0000, 0.0000,  
0.0000

180.9139,

159.0012, 169.6175

221.3545,  
196.8989, 210.3425

■ 24.4351, 17.9139,  
18.6929

■ 24.4351, 17.9139,  
18.6929

■ 22.4281, 14.9706,  
14.7226

■ 26.8842, 21.5892,  
23.2789

■ 20.8339, 12.7072,  
11.3395

■ 29.7990, 26.0388,  
28.5054

■ 19.6219, 11.0688,  
8.5142


■ 33.2034, 31.3047,  
34.3967


■ 18.7565, 9.9906,  
6.2138


■ 37.1191, 37.4254,  
40.9757


■ 18.1867, 9.3780,  
4.3987


■ 41.5665, 44.4368,  
48.2642

 18.0514, 9.2370,  
3.9544

 46.5647, 52.3725,  
56.2829

 52.1320, 61.2648,  
65.0517

 58.2859, 71.1441,  
74.5896

 65.0430, 82.0396,  
84.9152

# Harmonies

## Analogous

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



23.5157, 17.9139, 29.4921



24.4351, 17.9139, 18.6929



23.1608, 17.9139, 11.0665

# Triad

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



24.4351, 17.9139, 18.6929



13.7460, 17.9139, 7.5875



14.1825, 17.9139, 41.2987

# Complementary

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



24.4351, 17.9139, 18.6929



25.0556, 34.7499, 34.2428

# 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.



12.0842, 17.9139, 31.4121



24.4351, 17.9139, 18.6929



11.8567, 17.9139, 12.0735

# Square

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



24.4351, 17.9139, 18.6929



16.7406, 17.9139, 6.1355



11.2910, 17.9139, 20.3407



17.3159, 17.9139, 44.8521



# Rectangle

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



24.4351, 17.9139, 18.6929



21.3261, 17.9139, 8.0941



11.2910, 17.9139, 20.3407



13.3477, 17.9139, 38.4735

# Sweetspot

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



24.4356, 17.9148, 18.6932



62.1738, 59.8148, 65.6946



23.9354, 17.1385, 42.0910



13.4981, 12.7947, 14.0576



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



24.4356, 17.9148, 18.6932



40.3967, 26.7432, 26.1195



24.7928, 20.5820, 12.7923



8.0981, 8.0525, 8.8272



13.1158, 6.7089, 2.9894



0.3890, 0.1963, 0.2103



# Inverse Universe

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



24.4356, 17.9148, 18.6932



40.3967, 26.7432, 26.1195



24.2130, 29.6494, 44.4912



8.0981, 8.0525, 8.8272



13.1158, 6.7089, 2.9894

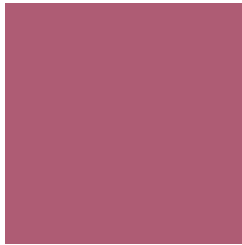


0.3890, 0.1963, 0.2103



# Previews

## White Background



This preview shows how the XYZ color 24.4351, 17.9139, 18.6929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

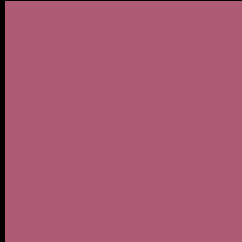
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.4351, 17.9139, 18.6929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

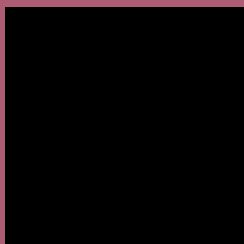
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.4351, 17.9139, 18.6929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.4351, 17.9139, 18.6929.



This preview shows how white text looks on a background with the XYZ color 24.4351, 17.9139,



# 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

24.4351, 17.9139, 18.6929

### Protanopia

17.6605, 18.0743, 24.0306

### Deuteranopia

18.3020, 18.0298, 17.8447



## Tritanopia

23.6748, 18.0082, 14.5401

# Trichromacy



## Original Color

24.4351, 17.9139, 18.6929

## Protanomaly

19.4450, 17.5498, 22.1013

## Deuteranomaly

20.1673, 17.7034, 17.9769

## Tritanomaly

23.8378, 17.9303, 15.8402

# Monochromacy



## Original Color

24.4351, 17.9139, 18.6929

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

19.3861, 17.7343, 19.5408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.4351, 17.9139, 18.6929 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(174, 92, 116)` looks like.

```
.text, #text, p{  
    color:rgb(174, 92, 116)  
}
```

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(174, 92, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 92, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 24.4351, 17.9139, 18.6929 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(174, 92, 116) }
```



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

```
.border{ border-color:rgb(174, 92, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 92, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 92, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 92, 116);  
box-shadow:4px 4px 4px 4px rgb(174, 92,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.4351, 17.9139, 18.6929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 92, 116) }
```

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

```
.background{ background-color: rgb(174, 92,  
116) }
```

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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