

# Converting Colors

XYZ(17.1326, 12.1253, 4.0933)

Have a look what the booklet for  
XYZ(17.1326, 12.1253, 4.0933)  
contains.

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# Color

**XYZ(17.0644, 12.0826,  
4.1221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F472F
RGB	159, 71, 47
RGB Percent	62%, 28%, 18%
CMY	0.3765, 0.7215, 0.8157
CMYK	0.00, 0.55, 0.70, 0.38
HSL	13°, 54%, 40%
HSV	13°, 70%, 62%
XYZ	17.0644, 12.0826, 4.1221
YIQ	94.5760, 60.1520, 11.1920

# Conversions

## Conversions Part 2

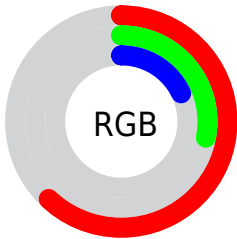
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 78, 47
Decimal	10438447
CIE <sub>Lab</sub>	41.35, 34.88, 31.72
CIE <sub>LCh</sub>	41, 47.147, 42.280
Yxy	12.0826, 0.5129, 0.3632
Android (android.graphics.Color)	4288628527 (0xFF9F472F)
YUV	94.5760, -23.4550, 56.4998
Hunter-Lab	34.7600, 26.7992, 17.3010

# Details

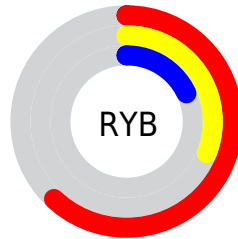
The XYZ color **17.0644, 12.0826, 4.1221** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.0936, 20.4342, 35.8967**, and the grayscale version is **10.8204, 11.3839, 12.3971**.

A 20% lighter version of the original color is **37.8934, 29.6326, 14.3121**, and **5.7477, 3.3611, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **16.0857, 10.5484, 2.4915**, and if you desaturate by 10%, it is **18.3239, 13.9916, 6.4230**.

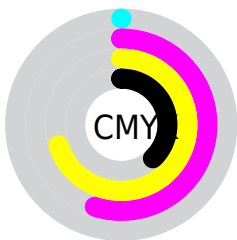
# Distribution



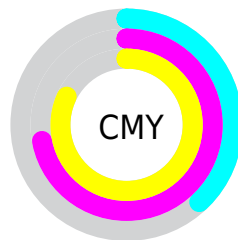
- Red (62%)
- Green (28%)
- Blue (18%)



- Red (62%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (70%)
- Black (38%)




- Cyan (38%)
- Magenta (72%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0644, 12.0826, 4.1221 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 17.0644, 12.0826, 4.1221 by changing the saturation by 10% instead.





 17.0644, 12.0826,  
4.1221


 17.0644, 12.0826,  
4.1221


228.6922,  
204.9514, 149.5730


 10.3760, 6.8000,  
1.6926


 37.9792, 29.6455,  
14.2904


 5.7131, 3.3373,  
0.3556

 52.9363, 42.6945,  
22.8662


 2.7104, 1.3103,  
0.0000

 71.3803, 59.1010,  
34.3279

 1.0026, 0.1491,  
0.0000

 93.6767, 79.2496,  
49.0940

 0.0000, 0.0000,  
0.0000

 120.1907,  
103.5245, 67.5830

 151.2877,

132.3102, 90.2135

187.3331,  
165.9910, 117.4040

■ 17.0644, 12.0826,  
4.1221

■ 17.0644, 12.0826,  
4.1221

■ 16.0857, 10.5484,  
2.4915

■ 18.3239, 13.9916,  
6.4230

■ 15.3635, 9.3616,  
1.4567

■ 19.8840, 16.2963,  
9.4567

■ 14.8723, 8.5194,  
0.8606

■ 21.7635, 19.0187,  
13.2792

■ 23.9795, 22.1782,  
17.9409

■ 26.5478, 25.7932,  
23.4878

■ 29.4831, 29.8808,  
29.9628

■ 32.7993, 34.4575,  
37.4058

■ 36.5096, 39.5389,  
45.8545

■ 40.6266, 45.1396,  
55.3444

# Harmonies

## Analogous

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



19.1761, 12.0826, 9.5453



17.0644, 12.0826, 4.1221



13.6026, 12.0826, 2.1389

# Triad

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



17.0644, 12.0826, 4.1221



6.2930, 12.0826, 8.2190



12.9393, 12.0826, 41.4438

# Complementary

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



17.0644, 12.0826, 4.1221



16.0936, 20.4342, 35.8967

# 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.



9.5980, 12.0826, 40.4583



17.0644, 12.0826, 4.1221



6.1855, 12.0826, 17.5784

# Square

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



17.0644, 12.0826, 4.1221



7.6063, 12.0826, 3.5665



7.2761, 12.0826, 30.3130



16.4966, 12.0826, 32.5700



# Rectangle

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



17.0644, 12.0826, 4.1221



11.2247, 12.0826, 1.8878



7.2761, 12.0826, 30.3130



11.7476, 12.0826, 42.3436

# Sweetspot

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



17.0647, 12.0833, 4.1223



47.0754, 45.5359, 41.0405



19.8013, 11.1987, 24.6346



10.3344, 9.8750, 8.6469



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



17.0647, 12.0833, 4.1223



27.9579, 17.5081, 3.2010



22.1955, 22.3449, 5.8326



6.7426, 6.8652, 6.9554



11.7728, 6.7813, 0.6884



0.2375, 0.1753, 0.0213



# Inverse Universe

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



16.0936, 20.4342, 35.8967



25.9454, 33.1207, 63.7689



10.3431, 8.9332, 33.9799



6.7011, 7.2680, 8.4564



10.7584, 13.6084, 27.9669



0.2201, 0.2988, 0.5093



# Previews

## White Background



This preview shows how the XYZ color 17.0644, 12.0826, 4.1221 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 17.0644, 12.0826, 4.1221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

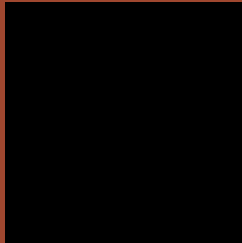
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 17.0644, 12.0826, 4.1221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0644, 12.0826, 4.1221.



This preview shows how white text looks on a background with the XYZ color 17.0644, 12.0826,



# 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

17.0644, 12.0826, 4.1221

### Protanopia

11.2658, 12.2090, 5.5042

### Deuteranopia

12.3583, 12.1334, 3.8811



## Tritanopia

17.7340, 12.0757, 7.5270

# Trichromacy



## Original Color

17.0644, 12.0826, 4.1221

## Protanomaly

12.8847, 11.7485, 4.9568

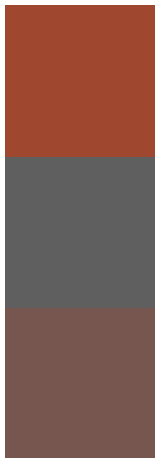
## Deuteranomaly

13.6948, 11.8297, 3.9444

## Tritanomaly

17.5225, 12.0887, 6.1124

# Monochromacy



## Original Color

17.0644, 12.0826, 4.1221

## Achromatopsia

10.8771, 11.4435, 12.4620

## Achromatomaly

12.1741, 11.0572, 8.7003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0644, 12.0826, 4.1221 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(159, 71, 47)` looks like.

```
.text, #text, p{  
  color:rgb(159, 71, 47)  
}
```

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(159, 71, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 71, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0644, 12.0826, 4.1221 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(159, 71, 47) }
```



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

```
.border{ border-color:rgb(159, 71, 47) }
```

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

Here you see how a box with a 4 pixel rgb(159, 71, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 71, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 71, 47);  
box-shadow:4px 4px 4px 4px rgb(159, 71,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0644, 12.0826, 4.1221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 71, 47) }
```

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

```
.background{ background-color: rgb(159, 71,  
47) }
```

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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