

Converting Colors

XYZ(17.0200, 12.7451, 9.9805)

Have a look what the booklet for
XYZ(17.0200, 12.7451, 9.9805)
contains.

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Color

**XYZ(16.9739, 12.7161,
9.9473)**

Conversions

Conversions Part 1

Format	Color
Hex	964F54
RGB	150, 79, 84
RGB Percent	59%, 31%, 33%
CMY	0.4118, 0.6902, 0.6706
CMYK	0.00, 0.47, 0.44, 0.41
HSL	356°, 31%, 45%
HSV	356°, 47%, 59%
XYZ	16.9739, 12.7161, 9.9473
YIQ	100.7990, 40.7110, 16.6070

Conversions

Conversions Part 2

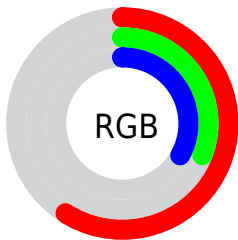
Format	Color
R_{YB}	150, 79, 84
Decimal	9850708
CIE _{Lab}	42.33, 30.14, 10.50
CIE _{LCh}	42, 31.912, 19.203
Yxy	12.7161, 0.4282, 0.3208
Android (android.graphics.Color)	4288040788 (0xFF964F54)
YUV	100.7990, -8.2819, 43.1493
Hunter-Lab	35.6596, 22.5612, 8.4227

Details

The XYZ color **16.9739, 12.7161, 9.9473** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.2423, 25.5196, 30.7013**, and the grayscale version is **12.3315, 12.9737, 14.1284**.

A 20% lighter version of the original color is **37.9484, 30.9241, 26.1592**, and **5.6801, 3.6133, 2.3175** is the 20% darker color. If you saturate the color by 10%, you get **15.5186, 10.5942, 7.0306**, and if you desaturate by 10%, it is **18.7828, 15.3710, 13.5186**.

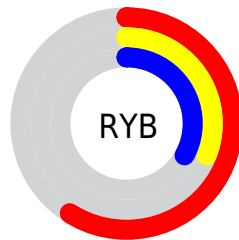
Distribution



Red (59%)

Green (31%)

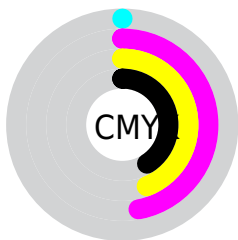
Blue (33%)



Red (59%)

Yellow (31%)

Blue (33%)

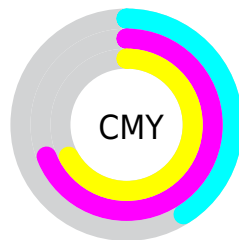


Cyan (0%)

Magenta (47%)

Yellow (44%)

Black (41%)



Cyan (41%)


Magenta (69%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9739, 12.7161, 9.9473 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 16.9739, 12.7161, 9.9473 by changing the saturation by 10% instead.


 16.9739, 12.7161,
9.9473


 16.9739, 12.7161,
9.9473


228.1811,
209.0901, 200.7667


 10.3111, 7.2333,
5.2589


 37.8248, 30.7928,
26.3026


 5.6695, 3.6085,
2.3386

 52.7437, 44.1555,
38.8066

 2.6839, 1.4570,
0.7527

 71.1452, 60.9137,
54.7528

 0.9889, 0.2582,
0.0000

 93.3948, 81.4517,
74.5598

 0.0000, 0.0000,
0.0000

 119.8579,
106.1540, 98.6461

150.8997,

135.4049, 127.4304

186.8857,
169.5888, 161.3310

■ 16.9739, 12.7161,
9.9473

■ 16.9739, 12.7161,
9.9473

■ 15.5186, 10.5942,
7.0306

■ 18.7828, 15.3710,
13.5186

■ 14.3927, 8.9676,
4.7280

■ 20.9653, 18.5897,
17.7801

■ 13.5707, 7.7967,
2.9959


■ 23.5411, 22.4025,
22.7659


■ 13.0229, 7.0348,
1.7841


■ 26.5282, 26.8375,
28.5073


■ 12.7023, 6.6034,
1.0305


■ 29.9437, 31.9206,
35.0340

 12.6355, 6.5072,
0.8933

 33.8034, 37.6764,
42.3741

 38.1225, 44.1282,
50.5542

 42.9155, 51.2983,
59.5997

 48.1961, 59.2077,
69.5351

Harmonies

Analogous

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



17.1938, 12.7161, 16.4642



16.9739, 12.7161, 9.9473



15.3494, 12.7161, 6.0730

Triad

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



16.9739, 12.7161, 9.9473



8.9264, 12.7161, 6.8962



11.2445, 12.7161, 31.2465

Complementary

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



16.9739, 12.7161, 9.9473



19.2423, 25.5196, 30.7013

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.



9.3219, 12.7161, 26.4117



16.9739, 12.7161, 9.9473



8.1059, 12.7161, 11.5206

Square

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



16.9739, 12.7161, 9.9473



10.6349, 12.7161, 4.7563



8.2404, 12.7161, 18.6489



13.6640, 12.7161, 30.3941

Rectangle

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



16.9739, 12.7161, 9.9473



13.7950, 12.7161, 4.8180



8.2404, 12.7161, 18.6489



10.5248, 12.7161, 30.1828

Sweetspot

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



16.9742, 12.7167, 9.9475



43.0766, 41.8075, 43.1277



19.8175, 13.7315, 30.4601



9.3264, 8.9389, 9.1341



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9742, 12.7167, 9.9475



27.2087, 18.4378, 12.0466



19.4137, 17.8978, 9.8294



5.8164, 5.8216, 6.1392



10.4847, 5.3990, 0.7677



0.1316, 0.0674, 0.0267

Inverse Universe

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



16.9742, 12.7167, 9.9475



27.2087, 18.4378, 12.0466



15.4968, 17.3983, 31.3956



5.8164, 5.8216, 6.1392



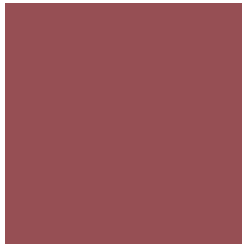
10.4847, 5.3990, 0.7677



0.1316, 0.0674, 0.0267

Previews

White Background



This preview shows how the XYZ color 16.9739, 12.7161, 9.9473 looks on a white background.

Color Contrast Check

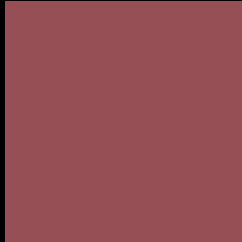
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9739, 12.7161, 9.9473 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 16.9739, 12.7161, 9.9473

Background



This preview shows how black text looks on a background with the XYZ color 16.9739, 12.7161, 9.9473.



This preview shows how white text looks on a background with the XYZ color 16.9739, 12.7161,

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

16.9739, 12.7161, 9.9473

Protanopia

12.3316, 12.8836, 12.6633

Deuteranopia

13.0960, 12.9254, 9.5892



Tritanopia

17.0134, 12.7319, 10.1551

Trichromacy



Original Color

16.9739, 12.7161, 9.9473

Protanomaly

13.6006, 12.4746, 11.5885

Deuteranomaly

14.2324, 12.5887, 9.6624

Tritanomaly

17.0134, 12.7319, 10.1551

Monochromacy



Original Color

16.9739, 12.7161, 9.9473

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5877, 12.5769, 12.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9739, 12.7161, 9.9473 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(150, 79, 84)` looks like.

```
.text, #text, p{  
    color:rgb(150, 79, 84)  
}
```

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(150, 79, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 79, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.9739, 12.7161, 9.9473 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(150, 79, 84) }
```


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

```
.border{ border-color:rgb(150, 79, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 79, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 79, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 79, 84);  
box-shadow:4px 4px 4px 4px rgb(150, 79,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9739, 12.7161, 9.9473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 79, 84) }
```

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

```
.background{ background-color: rgb(150, 79,  
84) }
```

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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