

Converting Colors

XYZ(12.8570, 11.1375, 9.7658)

Have a look what the booklet for
XYZ(12.8570, 11.1375, 9.7658)
contains.

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Color

**XYZ(12.9389, 11.1917,
9.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5454
RGB	123, 84, 84
RGB Percent	48%, 33%, 33%
CMY	0.5176, 0.6706, 0.6706
CMYK	0.00, 0.32, 0.32, 0.52
HSL	0°, 19%, 41%
HSV	0°, 32%, 48%
XYZ	12.9389, 11.1917, 9.8658
YIQ	95.6610, 23.2440, 8.2680

Conversions

Conversions Part 2

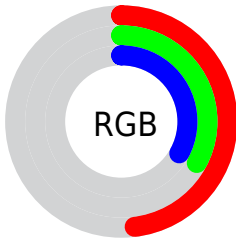
Format	Color
RYB	123, 84, 84
Decimal	8082516
CIELab	39.90, 16.26, 6.55
CIElCh	40, 17.527, 21.951
Yxy	11.1917, 0.3806, 0.3292
Android (android.graphics.Color)	4286272596 (0xFF7B5454)
YUV	95.6610, -5.7489, 23.9763
Hunter-Lab	33.4540, 10.4934, 5.9328

Details

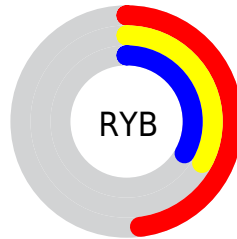
The XYZ color **12.9389, 11.1917, 9.8658** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.3140, 17.4801, 21.3584**, and the grayscale version is **11.0459, 11.6212, 12.6555**.

A 20% lighter version of the original color is **30.8902, 28.0908, 25.9843**, and **3.8070, 2.9492, 2.2881** is the 20% darker color. If you saturate the color by 10%, you get **11.6266, 9.2715, 7.2566**, and if you desaturate by 10%, it is **14.5041, 13.4821, 12.9769**.

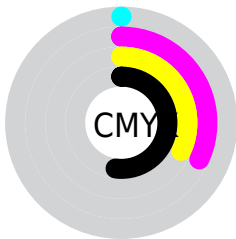
Distribution



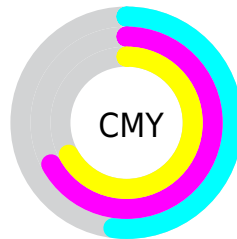
- Red (48%)
- Green (33%)
- Blue (33%)



- Red (48%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (32%)
- Black (52%)



- Cyan (52%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9389, 11.1917, 9.8658 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 12.9389, 11.1917, 9.8658 by changing the saturation by 10% instead.

■ 12.9389, 11.1917,
9.8658

■ 12.9389, 11.1917,
9.8658

204.1712,
198.9780, 200.1615

■ 7.4632, 6.1959,
5.2056

■ 30.7962, 28.0141,
26.1466

■ 3.8023, 2.9646,
2.3076

■ 43.9085, 40.6095,
38.6044

■ 1.5909, 1.1133,
0.7355

■ 60.2971, 56.5070,
54.4984

■ 0.3865, 0.0000,
0.0000

■ 80.3273, 76.0908,
74.2472

■ 0.0000, 0.0000,
0.0000

■ 104.3645, 99.7454,
98.2694

132.7739,

127.8553, 126.9835

165.9211,
160.8047, 160.8080

■ 12.9389, 11.1917,
9.8658

■ 12.9389, 11.1917,
9.8658

■ 11.6266, 9.2715,
7.2566

■ 14.5041, 13.4821,
12.9769

■ 10.5531, 7.7006,
5.1226

■ 16.3335, 16.1590,
16.6137

■ 9.7042, 6.4585,
3.4352


■ 18.4388, 19.2396,
20.7991


■ 9.0641, 5.5218,
2.1627


■ 20.8308, 22.7398,
25.5544


■ 8.6147, 4.8642,
1.2695


■ 23.5197, 26.6744,
30.9000


 8.3350, 4.4549,
0.7135

 26.5152, 31.0576,
36.8551

 8.1684, 4.2111,
0.3823

 29.8266, 35.9030,
43.4381

 33.4626, 41.2235,
50.6666

 37.4318, 47.0315,
58.5576

Harmonies

Analogous

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



13.1053, 11.1917, 13.1406



12.9389, 11.1917, 9.8658



12.1332, 11.1917, 7.6645

Triad

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



12.9389, 11.1917, 9.8658



8.9121, 11.1917, 8.5306



10.3157, 11.1917, 20.0248

Complementary

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



12.9389, 11.1917, 9.8658



14.3140, 17.4801, 21.3584

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.



9.2699, 11.1917, 18.2066



12.9389, 11.1917, 9.8658



8.5005, 11.1917, 11.2786

Square

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



12.9389, 11.1917, 9.8658



9.7930, 11.1917, 7.0014



8.6264, 11.1917, 14.8438



11.5289, 11.1917, 19.4504

Rectangle

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



12.9389, 11.1917, 9.8658



11.3729, 11.1917, 6.8949



8.6264, 11.1917, 14.8438



9.9343, 11.1917, 19.6626

Sweetspot

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



12.9392, 11.1922, 9.8660



29.7686, 29.6968, 30.7837



14.9139, 11.9818, 20.2655



6.9134, 6.8514, 7.0562



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9392, 11.1922, 9.8660



21.4282, 17.4924, 14.2031



14.6688, 14.6514, 10.4425



3.9983, 4.0151, 4.1887



8.4502, 4.3564, 0.3955



40.3082, 20.7799, 1.8864

Inverse Universe

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



14.3140, 17.4801, 21.3584



24.2970, 30.6137, 38.1851



12.1315, 13.1152, 20.6309



4.1071, 4.5124, 5.0977



11.0247, 16.1318, 21.9180



52.5885, 76.9497, 104.5509

Previews

White Background



This preview shows how the XYZ color 12.9389, 11.1917, 9.8658 looks on a white background.

Color Contrast Check

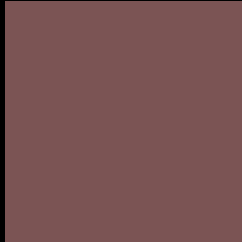
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9389, 11.1917, 9.8658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

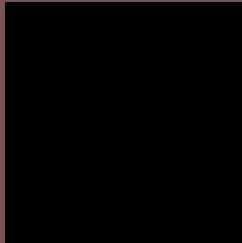
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9389, 11.1917, 9.8658

Background



This preview shows how black text looks on a background with the XYZ color 12.9389, 11.1917, 9.8658.



This preview shows how white text looks on a background with the XYZ color 12.9389, 11.1917,

9.8658.

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

12.9389, 11.1917, 9.8658

Protanopia

10.7356, 11.2681, 11.0603

Deuteranopia

11.4868, 11.2948, 9.7583



Tritanopia

13.2086, 11.1929, 10.9155

Trichromacy



Original Color

12.9389, 11.1917, 9.8658

Protanomaly

11.3203, 11.0646, 10.5559

Deuteranomaly

11.8611, 11.1147, 9.7038

Tritanomaly

13.1257, 11.1597, 10.4791

Monochromacy



Original Color

12.9389, 11.1917, 9.8658

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7028, 11.4912, 11.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9389, 11.1917, 9.8658 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(123, 84, 84)` looks like.

```
.text, #text, p{  
    color:rgb(123, 84, 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(123, 84, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 84, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.9389, 11.1917, 9.8658 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(123, 84, 84) }
```


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

```
.border{ border-color:rgb(123, 84, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 84, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 84, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 84, 84);  
box-shadow:4px 4px 4px 4px rgb(123, 84,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9389, 11.1917, 9.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 84, 84) }
```

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

```
.background{ background-color: rgb(123, 84,  
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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