

Converting Colors

XYZ(15.7990, 11.6486, 7.3756)

Have a look what the booklet for
XYZ(15.7990, 11.6486, 7.3756)
contains.

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Color

**XYZ(15.7989, 11.6484,
7.3769)**

Conversions

Conversions Part 1

Format	Color
Hex	944A47
RGB	148, 74, 71
RGB Percent	58%, 29%, 28%
CMY	0.4196, 0.7098, 0.7216
CMYK	0.00, 0.50, 0.52, 0.42
HSL	2°, 35%, 43%
HSV	2°, 52%, 58%
XYZ	15.7989, 11.6484, 7.3769
YIQ	95.7840, 45.0670, 14.7550

Conversions

Conversions Part 2

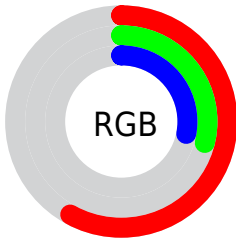
Format	Color
R_{YB}	148, 74, 71
Decimal	9718343
CIE _{Lab}	40.65, 30.73, 16.14
CIE _{LCh}	41, 34.709, 27.715
Yxy	11.6484, 0.4537, 0.3345
Android (android.graphics.Color)	4287908423 (0xFF944A47)
YUV	95.7840, -12.2185, 45.7934
Hunter-Lab	34.1298, 22.9018, 11.0757

Details

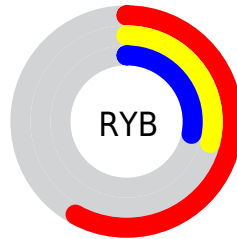
The XYZ color **15.7989, 11.6484, 7.3769** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.0687, 23.7274, 31.6445**, and the grayscale version is **11.0872, 11.6646, 12.7028**.

A 20% lighter version of the original color is **35.7143, 28.7263, 21.1152**, and **5.0932, 3.1498, 1.4381** is the 20% darker color. If you saturate the color by 10%, you get **14.5359, 9.7923, 4.8911**, and if you desaturate by 10%, it is **17.3928, 13.9814, 10.5440**.

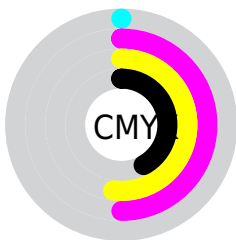
Distribution



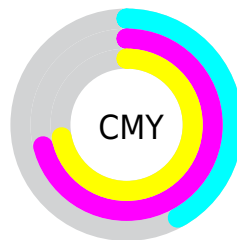
- Red (58%)
- Green (29%)
- Blue (28%)



- Red (58%)
- Yellow (29%)
- Blue (28%)



- Cyan (0%)
- Magenta (50%)
- Yellow (52%)
- Black (42%)





- Cyan (42%)
- Magenta (71%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7989, 11.6484, 7.3769 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 15.7989, 11.6484, 7.3769 by changing the saturation by 10% instead.


 15.7989, 11.6484,
7.3769


 15.7989, 11.6484,
7.3769


221.4459,
202.0635, 180.5078


 9.4719, 6.5047,
3.6169


 35.8090, 28.8531,
21.2532


 5.1098, 3.1544,
1.4176

 50.2228, 41.6829,
32.2065


 2.3473, 1.2128,
0.1554

 68.0630, 57.8436,
46.3947

 0.8187, 0.0722,
0.0000

 89.6948, 77.7195,
64.2364

 0.0000, 0.0000,
0.0000

 115.4836,
101.6951, 86.1499

145.7949,

130.1547, 112.5540

180.9938,
163.4827, 143.8671

■ 15.7989, 11.6484,
7.3769

■ 15.7989, 11.6484,
7.3769

■ 14.5359, 9.7923,
4.8911

■ 17.3928, 13.9814,
10.5440

■ 13.5799, 8.3785,
3.0361

■ 19.3379, 16.8191,
14.4368

■ 12.9048, 7.3709,
1.7554

■ 21.6536, 20.1893,
19.0965

■ 12.4801, 6.7264,
0.9820

■ 24.3577, 24.1174,
24.5611

■ 12.2754, 6.4212,
0.5924

■ 27.4670, 28.6270,
30.8662

■ 30.9972, 33.7405,
38.0452

■ 34.9632, 39.4789,
46.1295

■ 39.3791, 45.8623,
55.1493

■ 44.2584, 52.9101,
65.1330

Harmonies

Analogous

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



16.4905, 11.6484, 13.2299



15.7989, 11.6484, 7.3769



13.7895, 11.6484, 4.3426

Triad

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



15.7989, 11.6484, 7.3769



7.5406, 11.6484, 6.7452



10.8843, 11.6484, 31.5581

Complementary

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



15.7989, 11.6484, 7.3769



18.0687, 23.7274, 31.6445

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.



8.7364, 11.6484, 27.8915



15.7989, 11.6484, 7.3769



6.9924, 11.6484, 12.1516

Square

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



15.7989, 11.6484, 7.3769



9.0177, 11.6484, 4.0840



7.3958, 11.6484, 20.0678



13.4155, 11.6484, 28.8131

Rectangle

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



15.7989, 11.6484, 7.3769



12.1067, 11.6484, 3.5281



7.3958, 11.6484, 20.0678



10.0970, 11.6484, 31.0125

Sweetspot

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



15.7992, 11.6490, 7.3771



40.8438, 39.4553, 39.0196



19.6104, 12.8602, 28.4123



9.1228, 8.7149, 8.5013



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.



15.7992, 11.6490, 7.3771



25.4156, 16.9355, 8.1763



19.1517, 18.3540, 8.4946



5.8179, 5.8495, 6.0629



10.4900, 5.4943, 0.5076



0.1320, 0.0745, 0.0074

Inverse Universe

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



18.0687, 23.7274, 31.6445



29.8453, 40.5578, 55.6900



13.1947, 13.9793, 30.0199



5.9449, 6.5238, 7.4156



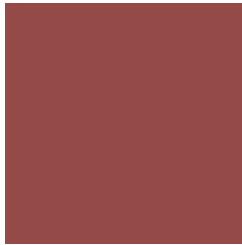
12.8616, 18.4179, 26.8082



0.1623, 0.2351, 0.3297

Previews

White Background



This preview shows how the XYZ color 15.7989, 11.6484, 7.3769 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 15.7989, 11.6484, 7.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

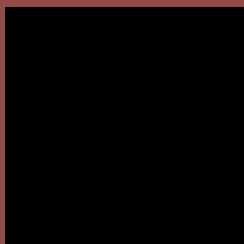
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7989, 11.6484, 7.3769

Background



This preview shows how black text looks on a background with the XYZ color 15.7989, 11.6484, 7.3769.



This preview shows how white text looks on a background with the XYZ color 15.7989, 11.6484,

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

15.7989, 11.6484, 7.3769

Protanopia

11.1476, 11.7846, 9.4717

Deuteranopia

11.9408, 11.7165, 7.1010



Tritanopia

15.9704, 11.6110, 8.6071

Trichromacy



Original Color

15.7989, 11.6484, 7.3769

Protanomaly

12.4370, 11.4372, 8.5733

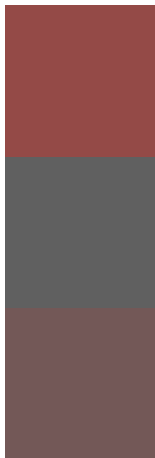
Deuteranomaly

13.0751, 11.4387, 7.1490

Tritanomaly

15.8653, 11.5690, 8.0535

Monochromacy



Original Color

15.7989, 11.6484, 7.3769

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.2803, 11.3124, 10.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7989, 11.6484, 7.3769 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(148, 74, 71)` looks like.

```
.text, #text, p{  
    color:rgb(148, 74, 71)  
}
```

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(148, 74, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 74, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.7989, 11.6484, 7.3769 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(148, 74, 71) }
```


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

```
.border{ border-color:rgb(148, 74, 71) }
```

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

Here you see how a box with a 4 pixel rgb(148, 74, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 74, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 74, 71);  
box-shadow:4px 4px 4px 4px rgb(148, 74,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7989, 11.6484, 7.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 74, 71) }
```

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

```
.background{ background-color: rgb(148, 74,  
71) }
```

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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