

Converting Colors

XYZ(15.4634, 12.4499, 11.9448)

Have a look what the booklet for
XYZ(15.4634, 12.4499, 11.9448)
contains.

XYZ(15.4626, 12.4493, 11.9439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.4626, 12.4493,
11.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	89545D
RGB	137, 84, 93
RGB Percent	54%, 33%, 36%
CMY	0.4627, 0.6706, 0.6353
CMYK	0.00, 0.39, 0.32, 0.46
HSL	350°, 24%, 43%
HSV	350°, 39%, 54%
XYZ	15.4626, 12.4493, 11.9439
YIQ	100.8730, 28.6990, 14.0350

Conversions

Conversions Part 2

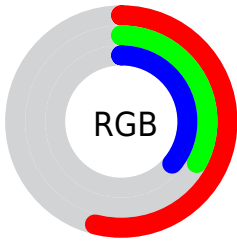
Format	Color
R_{YB}	137, 84, 93
Decimal	9000029
CIE _{Lab}	41.92, 23.29, 4.12
CIE _{LCh}	42, 23.652, 10.044
Yxy	12.4493, 0.3880, 0.3124
Android (android.graphics.Color)	4287190109 (0xFF89545D)
YUV	100.8730, -3.8814, 31.6834
Hunter-Lab	35.2836, 16.4792, 4.6281

Details

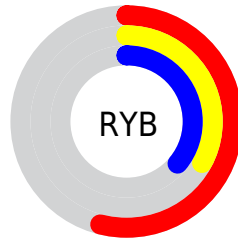
The XYZ color **15.4626, 12.4493, 11.9439** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.4986, 21.3349, 23.6716**, and the grayscale version is **12.3417, 12.9844, 14.1400**.

A 20% lighter version of the original color is **35.2213, 30.2398, 29.9671**, and **4.9210, 3.4597, 3.0977** is the 20% darker color. If you saturate the color by 10%, you get **14.0345, 10.3403, 9.1645**, and if you desaturate by 10%, it is **17.1743, 15.0055, 15.1879**.

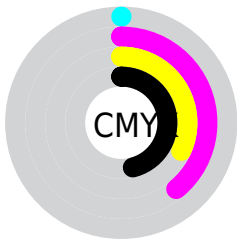
Distribution



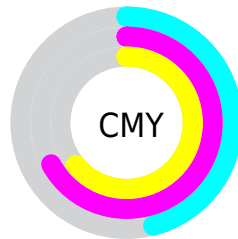
- Red (54%)
- Green (33%)
- Blue (36%)



- Red (54%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (32%)
- Black (46%)



- Cyan (46%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4626, 12.4493, 11.9439 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 15.4626, 12.4493, 11.9439 by changing the saturation by 10% instead.

■ 15.4626, 12.4493,
11.9439

■ 15.4626, 12.4493,
11.9439

219.4827,
207.3575, 214.9983

■ 9.2331, 7.0504,
6.5834

■ 35.2277, 30.3108,
30.0558

■ 4.9519, 3.4937,
3.1285

■ 49.4941, 43.5423,
43.6442

■ 2.2535, 1.3946,
1.1606

■ 67.1701, 60.1534,
60.8124

■ 0.7707, 0.2127,
0.0000

■ 88.6212, 80.5285,
81.9789

■ 0.0000, 0.0000,
0.0000

■ 114.2126,
105.0521, 107.5621

144.3097,

134.1085, 137.9808

179.2780,
168.0822, 173.6533

■ 15.4626, 12.4493,
11.9439

■ 15.4626, 12.4493,
11.9439

■ 14.0345, 10.3403,
9.1645

■ 17.1743, 15.0055,
15.1879

■ 12.8736, 8.6510,
6.8275

■ 19.1829, 18.0307,
18.9158

■ 11.9632, 7.3536,
4.9100

■ 21.5021, 21.5474,
23.1466

■ 11.2842, 6.4164,
3.3867

■ 24.1443, 25.5762,
27.8982

■ 10.8150, 5.8026,
2.2295

■ 27.1214, 30.1366,
33.1875

■ 10.5089, 5.4267,
1.3995

■ 30.4445, 35.2468,
39.0307

■ 10.4738, 5.3813,
1.3109

■ 34.1244, 40.9244,
45.4434

■ 38.1713, 47.1862,
52.4403

■ 42.5950, 54.0481,
60.0358

Harmonies

Analogous

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



15.2835, 12.4493, 17.1152



15.4626, 12.4493, 11.9439



14.5984, 12.4493, 8.2549

Triad

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



15.4626, 12.4493, 11.9439



9.7983, 12.4493, 7.4380



10.7216, 12.4493, 24.7730

Complementary

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



15.4626, 12.4493, 11.9439



16.4986, 21.3349, 23.6716

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.



9.4404, 12.4493, 20.7438



15.4626, 12.4493, 11.9439



8.9448, 12.4493, 10.5266

Square

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



15.4626, 12.4493, 11.9439



11.2558, 12.4493, 6.1113



8.8206, 12.4493, 15.3052



12.4289, 12.4493, 25.4224

Rectangle

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



15.4626, 12.4493, 11.9439



13.5926, 12.4493, 6.8058



8.8206, 12.4493, 15.3052



10.2316, 12.4493, 23.7292

Sweetspot

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



15.4629, 12.4499, 11.9441



36.9536, 36.2285, 38.6323



16.4807, 12.6812, 25.2460



8.1874, 7.9725, 8.4809



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.4629, 12.4499, 11.9441



25.5260, 19.0943, 17.1863



16.5498, 15.2243, 10.4546



5.0653, 5.0616, 5.4323



9.7596, 5.0140, 1.2385



0.0686, 0.0348, 0.0280

Inverse Universe

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



15.4629, 12.4499, 11.9441



25.5260, 19.0943, 17.1863



14.9145, 17.1765, 26.1962



5.0653, 5.0616, 5.4323



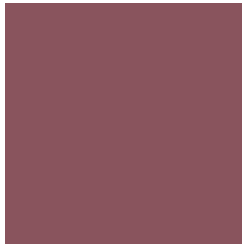
9.7596, 5.0140, 1.2385



0.0686, 0.0348, 0.0280

Previews

White Background



This preview shows how the XYZ color 15.4626, 12.4493, 11.9439 looks on a white background.

Color Contrast Check

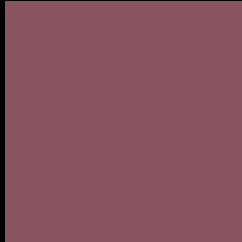
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4626, 12.4493, 11.9439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

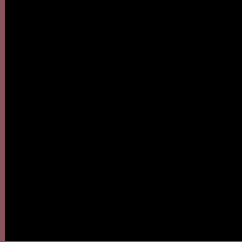
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4626, 12.4493, 11.9439

Background



This preview shows how black text looks on a background with the XYZ color 15.4626, 12.4493, 11.9439.



This preview shows how white text looks on a background with the XYZ color 15.4626, 12.4493,

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

15.4626, 12.4493, 11.9439

Protanopia

12.0663, 12.5726, 14.1027

Deuteranopia

12.7533, 12.5658, 11.6508



Tritanopia

15.3752, 12.4143, 11.4834

Trichromacy



Original Color

15.4626, 12.4493, 11.9439

Protanomaly

13.0174, 12.3980, 13.2622

Deuteranomaly

13.6441, 12.4919, 11.8173

Tritanomaly

15.4186, 12.4317, 11.7121

Monochromacy



Original Color

15.4626, 12.4493, 11.9439

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.2362, 12.6437, 13.2981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4626, 12.4493, 11.9439 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(137, 84, 93)` looks like.

```
.text, #text, p{  
    color:rgb(137, 84, 93)  
}
```

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(137, 84, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 84, 93) }
```

Border

The CSS property to change the border of an element to XYZ 15.4626, 12.4493, 11.9439 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(137, 84, 93) }
```


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

```
.border{ border-color:rgb(137, 84, 93) }
```

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

Here you see how a box with a 4 pixel rgb(137, 84, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 84, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 84, 93);  
box-shadow:4px 4px 4px 4px rgb(137, 84,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4626, 12.4493, 11.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 84, 93) }
```

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

```
.background{ background-color: rgb(137, 84,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor