

Converting Colors

XYZ(18.8189, 18.0346, 15.3990)

Have a look what the booklet for
XYZ(18.8189, 18.0346, 15.3990)
contains.

XYZ(18.7236, 17.9709, 15.3139)	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(18.7236, 17.9709,
15.3139)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7067
RGB	138, 112, 103
RGB Percent	54%, 44%, 40%
CMY	0.4588, 0.5608, 0.5961
CMYK	0.00, 0.19, 0.25, 0.46
HSL	15°, 15%, 47%
HSV	15°, 25%, 54%
XYZ	18.7236, 17.9709, 15.3139
YIQ	118.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

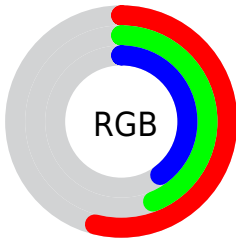
Format	Color
R_{YB}	138, 115, 103
Decimal	9072743
CIE _{Lab}	49.46, 8.77, 8.85
CIE _{LCh}	49, 12.463, 45.272
Yxy	17.9709, 0.3600, 0.3455
Android (android.graphics.Color)	4287262823 (0xFF8A7067)
YUV	118.7480, -7.7638, 16.8840
Hunter-Lab	42.3921, 4.6531, 8.2563

Details

The XYZ color **18.7236, 17.9709, 15.3139** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0311, 20.4185, 27.0357**, and the grayscale version is **17.4750, 18.3851, 20.0214**.

A 20% lighter version of the original color is **40.8464, 40.0905, 36.1572**, and **6.4777, 5.9786, 4.5539** is the 20% darker color. If you saturate the color by 10%, you get **17.0201, 15.5823, 11.6061**, and if you desaturate by 10%, it is **20.6712, 20.6645, 19.6675**.

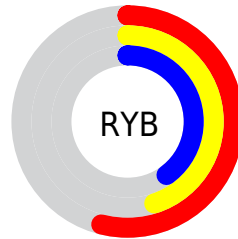
Distribution



Red (54%)

Green (44%)

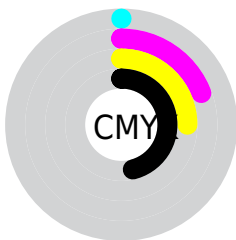
Blue (40%)



Red (54%)

Yellow (45%)

Blue (40%)

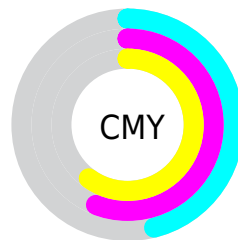


Cyan (0%)

Magenta (19%)

Yellow (25%)

Black (46%)



Cyan (46%)

Magenta (56%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7236, 17.9709, 15.3139 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 18.7236, 17.9709, 15.3139 by changing the saturation by 10% instead.

■ 18.7236, 17.9709,
15.3139

■ 18.7236, 17.9709,
15.3139

237.8861,
240.7070, 236.9643

■ 11.5735, 10.9291,
8.8909

■ 40.7870, 39.9877,
36.1530

■ 6.5241, 6.0192,
4.5743

■ 56.4311, 55.7316,
51.4062

■ 3.2100, 2.8567,
1.9454

■ 75.6372, 75.1448,
70.4398

■ 1.2658, 1.0574,
0.5214

■ 98.7708, 98.6120,
93.6725

■ 0.1574, 0.0000,
0.0000

126.1971,
126.5174, 121.5227

■ 0.0000, 0.0000,
0.0000

158.2815,

159.2454, 154.4091

195.3894,
197.1805, 192.7501

■ 18.7236, 17.9709,
15.3139

■ 18.7236, 17.9709,
15.3139

■ 17.0201, 15.5823,
11.6061

■ 20.6712, 20.6645,
19.6675

■ 15.5493, 13.4852,
8.5122

■ 22.8708, 23.6708,
24.6948

■ 14.3011, 11.6692,
5.9989

■ 25.3317, 27.0006,
30.4231

■ 13.2640, 10.1218,
4.0294

■ 28.0622, 30.6630,
36.8781

■ 12.4255, 8.8298,
2.5629

■ 31.0704, 34.6671,
44.0842

■ 11.7715, 7.7788,
1.5523

■ 34.3638, 39.0215,
52.0644

■ 11.2836, 6.9519,
0.9309

■ 37.9499, 43.7346,
60.8410

■ 11.0970, 6.6348,
0.6958

■ 41.8358, 48.8143,
70.4353

■ 46.0282, 54.2685,
80.8677

Harmonies

Analogous

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



19.3585, 17.9709, 17.9090



18.7236, 17.9709, 15.3139



17.6627, 17.9709, 13.9439

Triad

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



18.7236, 17.9709, 15.3139



14.9840, 17.9709, 17.9652



17.6839, 17.9709, 26.5100

Complementary

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



18.7236, 17.9709, 15.3139



18.0311, 20.4185, 27.0357

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.



16.5119, 17.9709, 26.5296



18.7236, 17.9709, 15.3139



14.9891, 17.9709, 21.3248

Square

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



18.7236, 17.9709, 15.3139



15.5227, 17.9709, 15.3510



15.5370, 17.9709, 24.5432



18.7398, 17.9709, 24.4925

Rectangle

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



18.7236, 17.9709, 15.3139



16.8737, 17.9709, 13.7964



15.5370, 17.9709, 24.5432



17.2896, 17.9709, 26.7575

Sweetspot

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



18.7241, 17.9717, 15.3143



39.1787, 40.1783, 40.9165



19.3108, 16.6957, 23.0611



8.6682, 8.8489, 8.9037



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.



18.7241, 17.9717, 15.3143



31.3662, 29.3891, 23.4048



20.8128, 22.1492, 16.0105



5.1307, 5.2442, 5.2942



10.1849, 6.1043, 0.6414



0.0781, 0.0614, 0.0077

Inverse Universe

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



18.0311, 20.4185, 27.0357



29.9421, 34.4022, 47.4453



15.9478, 16.2521, 26.3413



5.0658, 5.4745, 6.3955



8.6200, 10.5102, 23.6200



0.0691, 0.0934, 0.1608

Previews

White Background



This preview shows how the XYZ color 18.7236, 17.9709, 15.3139 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 18.7236, 17.9709, 15.3139 looks on a black 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

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

XYZ 18.7236, 17.9709, 15.3139

Background



This preview shows how black text looks on a background with the XYZ color 18.7236, 17.9709, 15.3139.

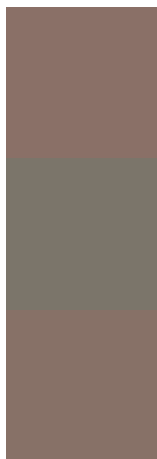


This preview shows how white text looks on a background with the XYZ color 18.7236, 17.9709,

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

18.7236, 17.9709, 15.3139

Protanopia

17.1312, 17.9741, 16.2021

Deuteranopia

18.3450, 17.9404, 15.3279



Tritanopia

19.6612, 18.0353, 19.5844

Trichromacy



Original Color

18.7236, 17.9709, 15.3139

Protanomaly

17.5826, 17.8706, 15.8873

Deuteranomaly

18.5067, 18.0238, 15.3355

Tritanomaly

19.3125, 18.0501, 18.0889

Monochromacy



Original Color

18.7236, 17.9709, 15.3139

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8302, 18.1187, 18.1803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7236, 17.9709, 15.3139 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(138, 112, 103)` looks like.

```
.text, #text, p{  
    color:rgb(138, 112, 103)  
}
```

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(138, 112, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 112, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.7236, 17.9709, 15.3139 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(138, 112, 103) }
```


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

```
.border{ border-color:rgb(138, 112, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 112, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 112, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 112, 103);  
box-shadow:4px 4px 4px 4px rgb(138, 112,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7236, 17.9709, 15.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 112, 103) }
```

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

```
.background{ background-color: rgb(138,  
112, 103) }
```

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