

Converting Colors

XYZ(17.7854, 12.6611, 7.9850)

Have a look what the booklet for
XYZ(17.7854, 12.6611, 7.9850)
contains.

XYZ(17.7854, 12.6611, 7.9850)	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(17.7854, 12.6611,
7.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4A4A
RGB	158, 74, 74
RGB Percent	62%, 29%, 29%
CMY	0.3804, 0.7098, 0.7098
CMYK	0.00, 0.53, 0.53, 0.38
HSL	0°, 36%, 45%
HSV	0°, 53%, 62%
XYZ	17.7854, 12.6611, 7.9850
YIQ	99.1160, 50.0640, 17.8080

Conversions

Conversions Part 2

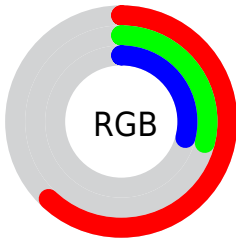
Format	Color
RYB	158, 74, 74
Decimal	10373706
CIELab	42.25, 34.92, 16.71
CIElCh	42, 38.711, 25.578
Yxy	12.6611, 0.4628, 0.3294
Android (android.graphics.Color)	4288563786 (0xFF9E4A4A)
YUV	99.1160, -12.3822, 51.6413
Hunter-Lab	35.5824, 26.9515, 11.6025

Details

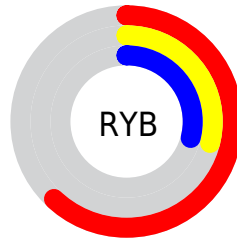
The XYZ color **17.7854, 12.6611, 7.9850** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.2217, 28.3766, 36.7064**, and the grayscale version is **11.9108, 12.5311, 13.6463**.

A 20% lighter version of the original color is **39.2277, 30.6962, 22.5963**, and **6.0405, 3.5718, 1.5994** is the 20% darker color. If you saturate the color by 10%, you get **16.3928, 10.6236, 5.2164**, and if you desaturate by 10%, it is **19.5772, 15.2833, 11.5465**.

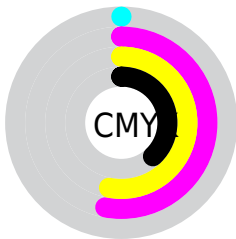
Distribution



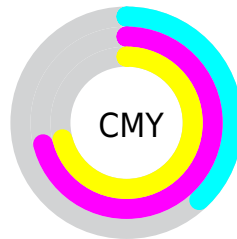
- Red (62%)
- Green (29%)
- Blue (29%)



- Red (62%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (53%)
- Black (38%)





- Cyan (38%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7854, 12.6611, 7.9850 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 17.7854, 12.6611, 7.9850 by changing the saturation by 10% instead.


 17.7854, 12.6611,
7.9850


 17.7854, 12.6611,
7.9850


232.7277,
208.7341, 185.5445


 10.8948, 7.1956,
3.9977


 39.2043, 30.6936,
22.4747

 6.0629, 3.5847,
1.6241


 54.4632, 44.0293,
33.8142


 2.9244, 1.4441,
0.3079

 73.2423, 60.7573,
48.4416

 1.1139, 0.2489,
0.0000

 95.9070, 81.2619,
66.7753

 0.0367, 0.0000,
0.0000

 122.8225,
105.9275, 89.2339

 0.0000, 0.0000,
0.0000

154.3542,

135.1384, 116.2359

190.8675,
169.2792, 148.2000

■ 17.7854, 12.6611,
7.9850

■ 17.7854, 12.6611,
7.9850

■ 16.3928, 10.6236,
5.2164

■ 19.5772, 15.2833,
11.5465

■ 15.3681, 9.1241,
3.1794

■ 21.7946, 18.5279,
15.9546

■ 14.6768, 8.1124,
1.8051

■ 24.4627, 22.4322,
21.2587

■ 14.2773, 7.5278,
1.0111

■ 27.6047, 27.0297,
27.5047

■ 14.1006, 7.2693,
0.6599

■ 31.2417, 32.3518,
34.7351

■ 35.3940, 38.4277,
42.9898

■ 40.0806, 45.2854,
52.3066

■ 45.3194, 52.9512,
62.7213

■ 51.1276, 61.4502,
74.2681

Harmonies

Analogous

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



18.4806, 12.6611, 15.0517



17.7854, 12.6611, 7.9850



15.4627, 12.6611, 4.3738

Triad

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



17.7854, 12.6611, 7.9850



8.0016, 12.6611, 6.5953



11.6099, 12.6611, 36.5705

Complementary

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



17.7854, 12.6611, 7.9850



21.2217, 28.3766, 36.7064

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.



9.1538, 12.6611, 31.5603



17.7854, 12.6611, 7.9850



7.2937, 12.6611, 12.5929

Square

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



17.7854, 12.6611, 7.9850



9.7872, 12.6611, 3.8266



7.6791, 12.6611, 21.8774



14.6007, 12.6611, 33.7437

Rectangle

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



17.7854, 12.6611, 7.9850



13.4742, 12.6611, 3.3930



7.6791, 12.6611, 21.8774



10.7002, 12.6611, 35.7057

Sweetspot

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



17.7857, 12.6618, 7.9852



48.2384, 46.3180, 46.1882



22.7209, 14.6353, 33.9751



10.6241, 10.0747, 9.9136



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.7857, 12.6618, 7.9852



29.3279, 18.6464, 8.5953



21.5820, 20.2544, 9.2507



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



21.2217, 28.3766, 36.7064



36.2614, 50.3575, 66.5522



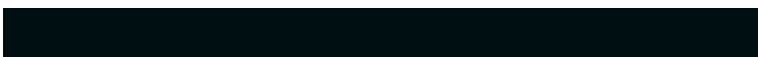
15.2411, 16.4153, 34.7129



6.8218, 7.5094, 8.4966



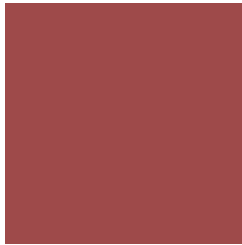
14.7341, 21.5597, 29.2921



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 17.7854, 12.6611, 7.9850 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



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 17.7854, 12.6611, 7.9850

Background



This preview shows how black text looks on a background with the XYZ color 17.7854, 12.6611, 7.9850.



This preview shows how white text looks on a background with the XYZ color 17.7854, 12.6611,

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

17.7854, 12.6611, 7.9850

Protanopia

12.0626, 12.7895, 10.6369

Deuteranopia

13.0341, 12.8010, 7.5782



Tritanopia

17.8582, 12.5842, 8.6955

Trichromacy



Original Color

17.7854, 12.6611, 7.9850

Protanomaly

13.5763, 12.3765, 9.6560

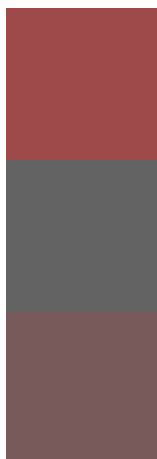
Deuteranomaly

14.4586, 12.5027, 7.6125

Tritanomaly

17.8226, 12.5700, 8.5081

Monochromacy



Original Color

17.7854, 12.6611, 7.9850

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.2474, 12.0436, 11.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7854, 12.6611, 7.9850 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(158, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(158, 74, 74)  
}
```

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(158, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 74, 74) }
```

Border

The CSS property to change the border of an element to XYZ 17.7854, 12.6611, 7.9850 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(158, 74, 74) }
```


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

```
.border{ border-color:rgb(158, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 74, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 74, 74);  
box-shadow:4px 4px 4px 4px rgb(158, 74,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7854, 12.6611, 7.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 74, 74) }
```

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

```
.background{ background-color: rgb(158, 74,  
74) }
```

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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