

Converting Colors

XYZ(24.7556, 21.2004, 9.7809)

Have a look what the booklet for
XYZ(24.7556, 21.2004, 9.7809)
contains.

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Color

**XYZ(24.8129, 21.2381,
9.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	AF704D
RGB	175, 112, 77
RGB Percent	69%, 44%, 30%
CMY	0.3137, 0.5608, 0.6980
CMYK	0.00, 0.36, 0.56, 0.31
HSL	21°, 39%, 49%
HSV	21°, 56%, 69%
XYZ	24.8129, 21.2381, 9.8128
YIQ	126.8470, 48.7830, 2.4710

Conversions

Conversions Part 2

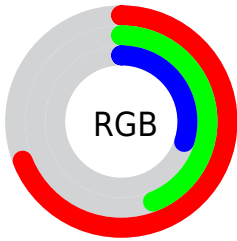
Format	Color
R_{YB}	175, 131, 77
Decimal	11497549
CIE _{Lab}	53.21, 21.24, 29.66
CIE _{LCh}	53, 36.480, 54.387
Yxy	21.2381, 0.4442, 0.3802
Android (android.graphics.Color)	4289687629 (0xFFAF704D)
YUV	126.8470, -24.5746, 42.2302
Hunter-Lab	46.0848, 15.4592, 19.6348

Details

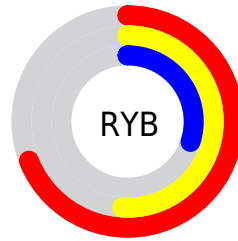
The XYZ color **24.8129, 21.2381, 9.8128** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.1760, 23.4280, 44.0159**, and the grayscale version is **20.1907, 21.2422, 23.1327**.

A 20% lighter version of the original color is **50.7105, 45.4069, 26.1703**, and **9.6885, 7.6877, 2.2696** is the 20% darker color. If you saturate the color by 10%, you get **23.1116, 18.6949, 6.5966**, and if you desaturate by 10%, it is **26.8366, 24.1601, 13.9570**.

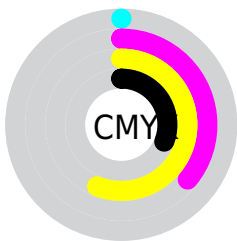
Distribution



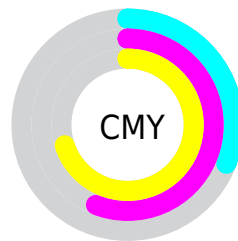
- Red (69%)
- Green (44%)
- Blue (30%)



- Red (69%)
- Yellow (51%)
- Blue (30%)



- Cyan (0%)
- Magenta (36%)
- Yellow (56%)
- Black (31%)





- Cyan (31%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8129, 21.2381, 9.8128 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 24.8129, 21.2381, 9.8128 by changing the saturation by 10% instead.


 24.8129, 21.2381,
9.8128


 24.8129, 21.2381,
9.8128


269.2697,
258.5412, 199.7668


 16.0657, 13.2982,
5.1710


 50.7986, 45.4835,
26.0451


 9.6618, 7.6342,
2.2875


 68.7678, 62.5577,
38.4727


 5.2358, 3.8618,
0.7242

 90.5418, 83.4454,
54.3326

 2.4225, 1.5965,
0.0000

 116.4858,
108.5311, 74.0435

 0.8563, 0.3553,
0.0000

 146.9653,
138.1991, 98.0238

 0.0000, 0.0000,
0.0000

182.3455,

172.8339, 126.6921

222.9919,
212.8198, 160.4669

■ 24.8129, 21.2381,
9.8128

■ 24.8129, 21.2381,
9.8128

■ 23.1116, 18.6949,
6.5966

■ 26.8366, 24.1601,
13.9570

■ 21.7117, 16.5104,
4.2331

■ 29.1986, 27.4735,
19.0936

■ 20.5919, 14.6674,
2.6375

■ 31.9157, 31.1938,
25.2829

■ 19.7251, 13.1445,
1.6986

■ 35.0029, 35.3351,
32.5798

■ 19.4294, 12.6146,
1.4108

■ 38.4743, 39.9105,
41.0354

■ 42.3433, 44.9325,
50.6977

■ 46.6224, 50.4132,
61.6118

■ 51.3239, 56.3642,
73.8207

■ 56.4592, 62.7966,
87.3651

Harmonies

Analogous

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



27.7101, 21.2381, 15.4265



24.8129, 21.2381, 9.8128



20.9192, 21.2381, 7.7880

Triad

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



24.8129, 21.2381, 9.8128



13.6767, 21.2381, 21.1116



23.4009, 21.2381, 48.3193

Complementary

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



24.8129, 21.2381, 9.8128



20.1760, 23.4280, 44.0159

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.



19.4704, 21.2381, 51.3053



24.8129, 21.2381, 9.8128



14.1647, 21.2381, 33.0337

Square

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



24.8129, 21.2381, 9.8128



14.7444, 21.2381, 12.8426



16.1736, 21.2381, 45.0073



26.8250, 21.2381, 37.8041

Rectangle

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



24.8129, 21.2381, 9.8128



18.4015, 21.2381, 8.0639



16.1736, 21.2381, 45.0073



22.0827, 21.2381, 50.3529

Sweetspot

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



24.8134, 21.2392, 9.8132



61.9352, 62.2806, 56.5425



25.1185, 16.3360, 26.9118



13.5174, 13.5110, 11.9749



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.8134, 21.2392, 9.8132



40.8065, 32.5841, 10.7761



31.6416, 34.8955, 12.0893



8.2306, 8.4660, 8.4137



13.9677, 9.1409, 1.0282



0.4412, 0.3595, 0.0461

Inverse Universe

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



20.1760, 23.4280, 44.0159



31.6257, 36.7832, 78.0699



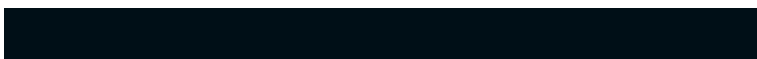
14.5998, 12.2756, 42.1571



7.9920, 8.5834, 10.1882



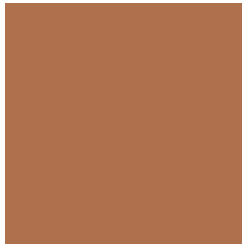
9.7894, 10.7127, 30.5963



0.3215, 0.3964, 0.8675

Previews

White Background



This preview shows how the XYZ color 24.8129, 21.2381, 9.8128 looks on a white background.

Color Contrast Check

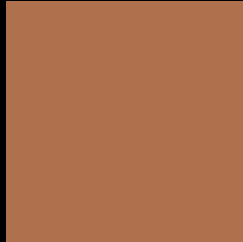
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.8129, 21.2381, 9.8128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

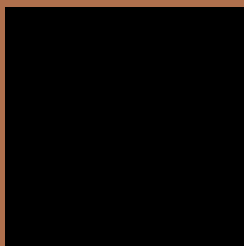
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.8129, 21.2381, 9.8128

Background



This preview shows how black text looks on a background with the XYZ color 24.8129, 21.2381, 9.8128.



This preview shows how white text looks on a background with the XYZ color 24.8129, 21.2381,

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

24.8129, 21.2381, 9.8128

Protanopia

19.7982, 21.2922, 11.2500

Deuteranopia

21.7471, 21.3956, 9.6402



Tritanopia

26.7123, 21.2182, 18.9073

Trichromacy



Original Color

24.8129, 21.2381, 9.8128

Protanomaly

21.3936, 21.1885, 10.7468

Deuteranomaly

22.6832, 21.1601, 9.7262

Tritanomaly

25.9491, 21.2240, 15.0409

Monochromacy



Original Color

24.8129, 21.2381, 9.8128

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.2215, 20.9525, 17.3937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8129, 21.2381, 9.8128 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(175, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(175, 112, 77)  
}
```

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(175, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 112, 77) }
```

Border

The CSS property to change the border of an element to XYZ 24.8129, 21.2381, 9.8128 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(175, 112, 77) }
```


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

```
.border{ border-color:rgb(175, 112, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 112, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(175, 112,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8129, 21.2381, 9.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 112, 77) }
```

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

```
.background{ background-color: rgb(175,  
112, 77) }
```

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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