

Converting Colors

XYZ(23.8364, 22.4480, 11.4216)

Have a look what the booklet for
XYZ(23.8364, 22.4480, 11.4216)
contains.

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Color

**XYZ(23.8696, 22.4517,
11.4630)**

Conversions

Conversions Part 1

Format	Color
Hex	A47A54
RGB	164, 122, 84
RGB Percent	64%, 48%, 33%
CMY	0.3569, 0.5216, 0.6706
CMYK	0.00, 0.26, 0.49, 0.36
HSL	29°, 32%, 49%
HSV	29°, 49%, 64%
XYZ	23.8696, 22.4517, 11.4630
YIQ	130.2260, 37.2300, -2.9140

Conversions

Conversions Part 2

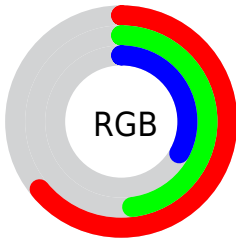
Format	Color
R_{YB}	164, 156, 84
Decimal	10779220
CIE Lab	54.50, 11.56, 27.12
CIE LCh	55, 29.482, 66.907
Yxy	22.4517, 0.4131, 0.3885
Android (android.graphics.Color)	4288969300 (0xFFA47A54)
YUV	130.2260, -22.7894, 29.6198
Hunter-Lab	47.3832, 6.9999, 18.8248

Details

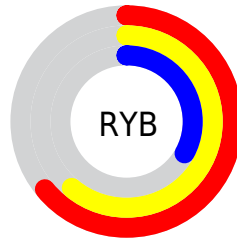
The XYZ color **23.8696, 22.4517, 11.4630** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8174, 19.4859, 37.9439**, and the grayscale version is **21.3676, 22.4804, 24.4811**.

A 20% lighter version of the original color is **49.2579, 47.3655, 29.1005**, and **9.1628, 8.2200, 2.9374** is the 20% darker color. If you saturate the color by 10%, you get **22.2904, 20.2037, 8.1301**, and if you desaturate by 10%, it is **25.6940, 24.9494, 15.6201**.

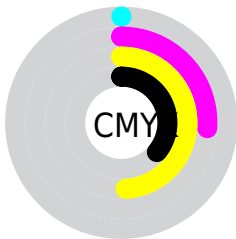
Distribution



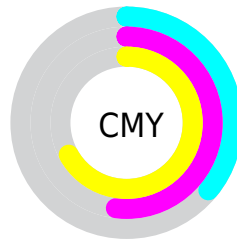
- Red (64%)
- Green (48%)
- Blue (33%)



- Red (64%)
- Yellow (61%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (49%)
- Black (36%)





- Cyan (36%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8696, 22.4517, 11.4630 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 23.8696, 22.4517, 11.4630 by changing the saturation by 10% instead.


 23.8696, 22.4517,
11.4630


 23.8696, 22.4517,
11.4630


264.6133,
264.8962, 211.6672


 15.3611, 14.1892,
6.2611


 49.2735, 47.4914,
29.1628


 9.1612, 8.2524,
2.9331


 66.8997, 65.0374,
42.4978

 4.9044, 4.2568,
1.0606

 88.2959, 86.4467,
59.3810

 2.2255, 1.8183,
0.0000

 113.8273,
112.1037, 80.2307

 0.7561, 0.4985,
0.0000

 143.8594,
142.3927, 105.4657

 0.0000, 0.0000,
0.0000

178.7576,

177.6982, 135.5044

218.8871,
218.4046, 170.7654

■ 23.8696, 22.4517,
11.4630

■ 23.8696, 22.4517,
11.4630

■ 22.2904, 20.2037,
8.1301

■ 25.6940, 24.9494,
15.6201

■ 20.9416, 18.1930,
5.5631

■ 27.7739, 27.7020,
20.6515

■ 19.8093, 16.4108,
3.6982

■ 30.1209, 30.7186,
26.6049

■ 18.8766, 14.8462,
2.4603

■ 32.7453, 34.0069,
33.5241

■ 18.1138, 13.4829,
1.7052

■ 35.6570, 37.5741,
41.4500

■ 18.0277, 13.3283,
1.6224

■ 38.8651, 41.4271,
50.4213

■ 42.3785, 45.5727,
60.4745

■ 46.2055, 50.0173,
71.6444

■ 50.3542, 54.7672,
83.9641

Harmonies

Analogous

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



26.7012, 22.4517, 15.2447



23.8696, 22.4517, 11.4630



20.6015, 22.4517, 10.6983

Triad

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



23.8696, 22.4517, 11.4630



15.7487, 22.4517, 26.6481



25.2909, 22.4517, 41.6058

Complementary

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



23.8696, 22.4517, 11.4630



17.8174, 19.4859, 37.9439

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.



22.0953, 22.4517, 46.6974



23.8696, 22.4517, 11.4630



16.7487, 22.4517, 36.7590

Square

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



23.8696, 22.4517, 11.4630



16.1212, 22.4517, 18.1120



18.9951, 22.4517, 44.7300



27.5778, 22.4517, 32.1075

Rectangle

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



23.8696, 22.4517, 11.4630



18.6506, 22.4517, 11.7676



18.9951, 22.4517, 44.7300



24.2755, 22.4517, 43.9858

Sweetspot

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



23.8702, 22.4528, 11.4634



56.2828, 57.7907, 52.4822



22.2893, 15.7569, 21.8317



12.1024, 12.3793, 10.9455



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8702, 22.4528, 11.4634



40.1117, 36.1632, 14.0600



29.7132, 34.1389, 13.4111



7.3383, 7.6150, 7.4632



13.8700, 10.3138, 1.2597



0.3387, 0.3112, 0.0422

Inverse Universe

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



17.8174, 19.4859, 37.9439



27.7535, 30.0966, 68.0988



13.7384, 11.3279, 36.5842



6.9937, 7.4464, 8.9718



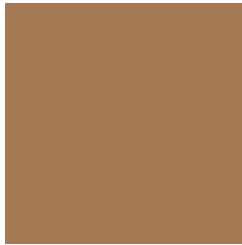
7.7431, 7.2656, 27.9241



0.2097, 0.2466, 0.6024

Previews

White Background



This preview shows how the XYZ color 23.8696, 22.4517, 11.4630 looks on a white background.

Color Contrast Check

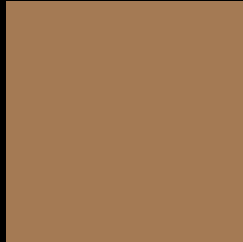
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8696, 22.4517, 11.4630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

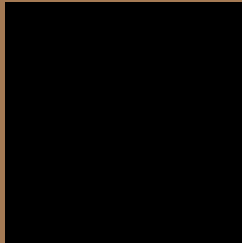
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8696, 22.4517, 11.4630

Background



This preview shows how black text looks on a background with the XYZ color 23.8696, 22.4517, 11.4630.



This preview shows how white text looks on a background with the XYZ color 23.8696, 22.4517,

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

23.8696, 22.4517, 11.4630

Protanopia

20.9919, 22.6715, 12.2865

Deuteranopia

22.7996, 22.4599, 11.3171



Tritanopia

26.2756, 22.5538, 22.7071

Trichromacy



Original Color

23.8696, 22.4517, 11.4630

Protanomaly

21.9766, 22.5943, 12.0069

Deuteranomaly

23.2662, 22.5134, 11.3029

Tritanomaly

25.4024, 22.5568, 18.0540

Monochromacy



Original Color

23.8696, 22.4517, 11.4630

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.7253, 22.1218, 18.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8696, 22.4517, 11.4630 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(164, 122, 84)` looks like.

```
.text, #text, p{  
    color:rgb(164, 122, 84)  
}
```

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(164, 122, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 122, 84) }
```

Border

The CSS property to change the border of an element to XYZ 23.8696, 22.4517, 11.4630 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(164, 122, 84) }
```


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

```
.border{ border-color:rgb(164, 122, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 122, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 122, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 122, 84);  
box-shadow:4px 4px 4px 4px rgb(164, 122,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8696, 22.4517, 11.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 122, 84) }
```

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

```
.background{ background-color: rgb(164,  
122, 84) }
```

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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