

Converting Colors

XYZ(23.5546, 19.5503, 9.6098)

Have a look what the booklet for
XYZ(23.5546, 19.5503, 9.6098)
contains.

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Color

**XYZ(23.4044, 19.4096,
9.5341)**

Conversions

Conversions Part 1

Format	Color
Hex	AC694D
RGB	172, 105, 77
RGB Percent	67%, 41%, 30%
CMY	0.3255, 0.5882, 0.6980
CMYK	0.00, 0.39, 0.55, 0.33
HSL	18°, 38%, 49%
HSV	18°, 55%, 67%
XYZ	23.4044, 19.4096, 9.5341
YIQ	121.8410, 48.9200, 5.4960

Conversions

Conversions Part 2

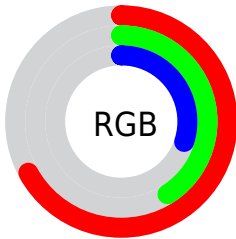
Format	Color
R _Y B	172, 117, 77
Decimal	11299149
CIE Lab	51.16, 23.90, 26.99
CIE LCh	51, 36.047, 48.474
Yxy	19.4096, 0.4471, 0.3708
Android (android.graphics.Color)	4289489229 (0xFFAC694D)
YUV	121.8410, -22.1066, 43.9894
Hunter-Lab	44.0563, 17.7274, 18.0087

Details

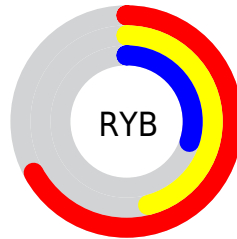
The XYZ color **23.4044, 19.4096, 9.5341** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.4798, 24.5018, 42.6796**, and the grayscale version is **18.5059, 19.4696, 21.2024**.

A 20% lighter version of the original color is **48.4560, 42.4433, 25.3771**, and **8.9263, 6.7435, 2.1977** is the 20% darker color. If you saturate the color by 10%, you get **21.7270, 16.9015, 6.3647**, and if you desaturate by 10%, it is **25.4196, 22.3364, 13.6087**.

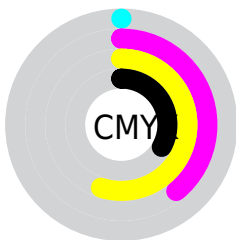
Distribution



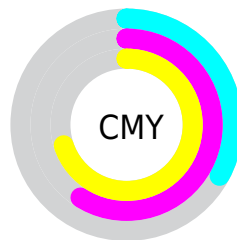
- Red (67%)
- Green (41%)
- Blue (30%)



- Red (67%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (55%)
- Black (33%)





- Cyan (33%)
- Magenta (59%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4044, 19.4096, 9.5341 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 23.4044, 19.4096, 9.5341 by changing the saturation by 10% instead.


 23.4044, 19.4096,
9.5341


 23.4044, 19.4096,
9.5341


262.2920,
248.7007, 197.6762


 15.0147, 11.9666,
4.9896


 48.5183, 42.4251,
25.5094


 8.9161, 6.7210,
2.1825


 65.9732, 58.7664,
37.7773


 4.7432, 3.2882,
0.6643


 87.1806, 78.8426,
53.4567

 2.1306, 1.2840,
0.0000

 112.5058,
103.0381, 72.9663

 0.7058, 0.1288,
0.0000

 142.3142,
131.7372, 96.7245

 0.0000, 0.0000,
0.0000

176.9712,

165.3245, 125.1498

216.8420,
204.1842, 158.6609

■ 23.4044, 19.4096,
9.5341

■ 23.4044, 19.4096,
9.5341

■ 21.7270, 16.9015,
6.3647

■ 25.4196, 22.3364,
13.6087

■ 20.3655, 14.7892,
4.0286

■ 27.7897, 25.6974,
18.6504

■ 19.2976, 13.0516,
2.4447

■ 30.5323, 29.5112,
24.7172

■ 18.4960, 11.6642,
1.5121

■ 33.6633, 33.7941,
31.8618

■ 18.1840, 11.1123,
1.1865

■ 37.1975, 38.5617,
40.1335

■ 41.1493, 43.8289,
49.5786

■ 45.5320, 49.6097,
60.2405

■ 50.3584, 55.9178,
72.1606

■ 55.6408, 62.7663,
85.3784

Harmonies

Analogous

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



25.7867, 19.4096, 15.4764



23.4044, 19.4096, 9.5341



19.8597, 19.4096, 7.0943

Triad

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



23.4044, 19.4096, 9.5341



12.4862, 19.4096, 17.4305



20.7192, 19.4096, 45.9235

Complementary

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



23.4044, 19.4096, 9.5341



20.4798, 24.5018, 42.6796

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.



17.1053, 19.4096, 46.9700



23.4044, 19.4096, 9.5341



12.6536, 19.4096, 28.0248

Square

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



23.4044, 19.4096, 9.5341



13.7550, 19.4096, 10.5640



14.2464, 19.4096, 39.6203



24.1033, 19.4096, 37.1040

Rectangle

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



23.4044, 19.4096, 9.5341



17.4512, 19.4096, 7.0065



14.2464, 19.4096, 39.6203



19.4825, 19.4096, 47.2815

Sweetspot

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



23.4049, 19.4106, 9.5345



59.8337, 59.6259, 54.9503



24.7845, 16.1255, 28.6281



12.7600, 12.6263, 11.3840



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.4049, 19.4106, 9.5345



38.8903, 29.8590, 10.6052



29.4866, 31.5741, 11.5617



8.1905, 8.3858, 8.4003



13.5744, 8.3543, 0.8971



0.4256, 0.3284, 0.0410

Inverse Universe

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



20.4798, 24.5018, 42.6796



32.9845, 39.8952, 76.7679



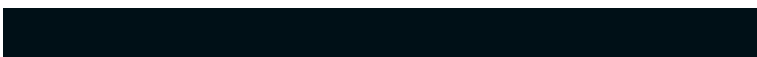
14.8359, 13.2142, 40.7983



8.0339, 8.6673, 10.2022



10.7058, 12.5454, 30.9018



0.3422, 0.4377, 0.8744

Previews

White Background



This preview shows how the XYZ color 23.4044, 19.4096, 9.5341 looks on a white background.

Color Contrast Check

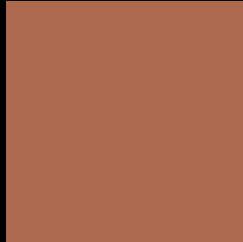
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4044, 19.4096, 9.5341 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 23.4044, 19.4096, 9.5341

Background



This preview shows how black text looks on a background with the XYZ color 23.4044, 19.4096, 9.5341.



This preview shows how white text looks on a background with the XYZ color 23.4044, 19.4096,

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

23.4044, 19.4096, 9.5341

Protanopia

18.0755, 19.4647, 11.1919

Deuteranopia

19.8440, 19.5265, 9.3797



Tritanopia

24.8160, 19.3887, 16.6218

Trichromacy



Original Color

23.4044, 19.4096, 9.5341

Protanomaly

19.7632, 19.2879, 10.4659

Deuteranomaly

21.1143, 19.5002, 9.4885

Tritanomaly

24.1426, 19.2500, 13.7524

Monochromacy



Original Color

23.4044, 19.4096, 9.5341

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6621, 19.1068, 16.2874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4044, 19.4096, 9.5341 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(172, 105, 77)` looks like.

```
.text, #text, p{  
    color:rgb(172, 105, 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(172, 105, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 105, 77) }
```

Border

The CSS property to change the border of an element to XYZ 23.4044, 19.4096, 9.5341 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(172, 105, 77) }
```


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

```
.border{ border-color:rgb(172, 105, 77) }
```

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

Here you see how a box with a 4 pixel rgb(172, 105, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 105, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 105, 77);  
box-shadow:4px 4px 4px 4px rgb(172, 105,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4044, 19.4096, 9.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 105, 77) }
```

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

```
.background{ background-color: rgb(172,  
105, 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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