

Converting Colors

XYZ(23.2267, 19.5454, 7.7393)

Have a look what the booklet for
XYZ(23.2267, 19.5454, 7.7393)
contains.

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Color

**XYZ(23.1507, 19.4721,
7.6926)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6A42
RGB	172, 106, 66
RGB Percent	67%, 42%, 26%
CMY	0.3255, 0.5843, 0.7412
CMYK	0.00, 0.38, 0.62, 0.33
HSL	23°, 45%, 47%
HSV	23°, 62%, 67%
XYZ	23.1507, 19.4721, 7.6926
YIQ	121.1740, 52.1760, 1.5520

Conversions

Conversions Part 2

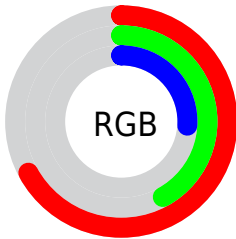
Format	Color
R _Y B	172, 130, 66
Decimal	11299394
CIE Lab	51.24, 22.45, 33.24
CIE LCh	51, 40.113, 55.966
Yxy	19.4721, 0.4601, 0.3870
Android (android.graphics.Color)	4289489474 (0xFFAC6A42)
YUV	121.1740, -27.2008, 44.5744
Hunter-Lab	44.1272, 16.4248, 20.5531

Details

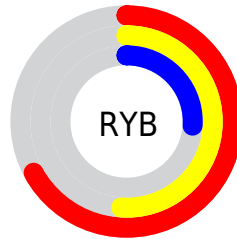
The XYZ color **23.1507, 19.4721, 7.6926** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.9440, 20.6383, 42.0674**, and the grayscale version is **18.3042, 19.2574, 20.9713**.

A 20% lighter version of the original color is **48.2764, 42.6804, 21.9134**, and **8.8418, 6.7896, 1.5063** is the 20% darker color. If you saturate the color by 10%, you get **21.6823, 17.2286, 5.0665**, and if you desaturate by 10%, it is **24.9103, 22.0542, 11.1684**.

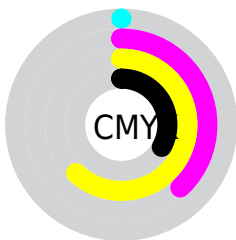
Distribution



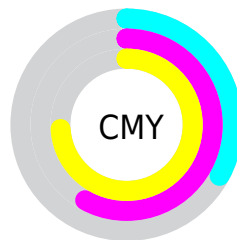
- Red (67%)
- Green (42%)
- Blue (26%)



- Red (67%)
- Yellow (51%)
- Blue (26%)



- Cyan (0%)
- Magenta (38%)
- Yellow (62%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1507, 19.4721, 7.6926 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 23.1507, 19.4721, 7.6926 by changing the saturation by 10% instead.


 23.1507, 19.4721,
7.6926


 23.1507, 19.4721,
7.6926


261.0190,
249.0428, 183.1443


 14.8261, 12.0119,
3.8139

 48.1055, 42.5303,
21.8897


 8.7830, 6.7518,
1.5238


 65.4664, 58.8971,
33.0452


 4.6559, 3.3074,
0.2356

 86.5702, 79.0016,
47.4635

 2.0795, 1.2942,
0.0000

 111.7822,
103.2282, 65.5630

 0.6780, 0.1367,
0.0000

 141.4677,
131.9612, 87.7623

 0.0000, 0.0000,
0.0000

175.9921,

165.5850, 114.4799

215.7207,
204.4841, 146.1344

■ 23.1507, 19.4721,
7.6926

■ 23.1507, 19.4721,
7.6926

■ 21.6823, 17.2286,
5.0665

■ 24.9103, 22.0542,
11.1684

■ 20.4846, 15.3050,
3.2128

■ 26.9770, 24.9866,
15.5598

■ 19.5359, 13.6848,
2.0417

■ 29.3669, 28.2838,
20.9271

■ 18.8985, 12.5412,
1.4246

■ 32.0945, 31.9586,
27.3255

■ 35.1735, 36.0231,
34.8056

■ 38.6166, 40.4888,
43.4151

■ 42.4358, 45.3669,
53.1984

■ 46.6428, 50.6678,
64.1978

■ 51.2485, 56.4018,
76.4534

Harmonies

Analogous

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



26.3125, 19.4721, 12.9513



23.1507, 19.4721, 7.6926



19.0535, 19.4721, 5.9531

Triad

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



23.1507, 19.4721, 7.6926



11.8513, 19.4721, 19.6910



22.0806, 19.4721, 47.7843

Complementary

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



23.1507, 19.4721, 7.6926



17.9440, 20.6383, 42.0674

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.



17.9723, 19.4721, 51.6076



23.1507, 19.4721, 7.6926



12.4224, 19.4721, 32.3725

Square

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



23.1507, 19.4721, 7.6926



12.8415, 19.4721, 11.1151



14.5310, 19.4721, 45.1720



25.6349, 19.4721, 36.0600

Rectangle

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



23.1507, 19.4721, 7.6926



16.4731, 19.4721, 6.3003



14.5310, 19.4721, 45.1720



20.7031, 19.4721, 50.1832

Sweetspot

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



23.1512, 19.4731, 7.6930



59.9986, 60.3352, 53.8354



23.2044, 14.3644, 23.7884



12.7082, 12.6728, 10.9040



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.



23.1512, 19.4731, 7.6930



38.4761, 29.8983, 7.7921



30.2007, 33.5722, 10.0428



8.2437, 8.4922, 8.4180



14.1129, 9.4313, 1.0766



0.4462, 0.3696, 0.0478

Inverse Universe

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



17.9440, 20.6383, 42.0674



28.1468, 32.0593, 75.5103



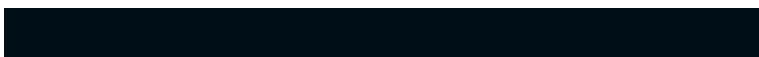
12.5718, 9.8939, 40.2767



7.9785, 8.5564, 10.1837



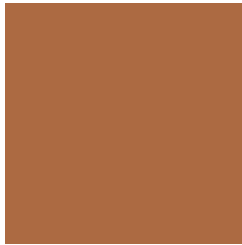
9.5148, 10.1634, 30.5048



0.3151, 0.3836, 0.8654

Previews

White Background



This preview shows how the XYZ color 23.1507, 19.4721, 7.6926 looks on a white background.

Color Contrast Check

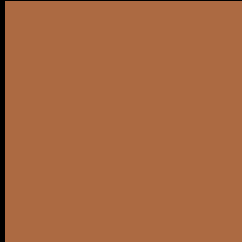
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1507, 19.4721, 7.6926 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 23.1507, 19.4721, 7.6926

Background



This preview shows how black text looks on a background with the XYZ color 23.1507, 19.4721, 7.6926.



This preview shows how white text looks on a background with the XYZ color 23.1507, 19.4721,

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

23.1507, 19.4721, 7.6926

Protanopia

18.0842, 19.7021, 8.9806

Deuteranopia

19.8644, 19.5768, 7.5822



Tritanopia

25.0397, 19.5040, 16.6323

Trichromacy



Original Color

23.1507, 19.4721, 7.6926

Protanomaly

19.6795, 19.4607, 8.5134

Deuteranomaly

20.9598, 19.4610, 7.6527

Tritanomaly

24.2816, 19.4895, 12.8380

Monochromacy



Original Color

23.1507, 19.4721, 7.6926

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4096, 19.0058, 14.9574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1507, 19.4721, 7.6926 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, 106, 66)` looks like.

```
.text, #text, p{  
    color:rgb(172, 106, 66)  
}
```

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, 106, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 106, 66) }
```

Border

The CSS property to change the border of an element to XYZ 23.1507, 19.4721, 7.6926 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, 106, 66) }
```


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

```
.border{ border-color:rgb(172, 106, 66) }
```

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

Here you see how a box with a 4 pixel rgb(172, 106, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 106, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 106, 66);  
box-shadow:4px 4px 4px 4px rgb(172, 106,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1507, 19.4721, 7.6926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 106, 66) }
```

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

```
.background{ background-color: rgb(172,  
106, 66) }
```

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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