

Converting Colors

XYZ(19.9287, 17.3898, 12.0238)

Have a look what the booklet for
XYZ(19.9287, 17.3898, 12.0238)
contains.

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Color

**XYZ(19.9326, 17.4111,
11.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	99685A
RGB	153, 104, 90
RGB Percent	60%, 41%, 35%
CMY	0.4000, 0.5921, 0.6471
CMYK	0.00, 0.32, 0.41, 0.40
HSL	13°, 26%, 48%
HSV	13°, 41%, 60%
XYZ	19.9326, 17.4111, 11.9830
YIQ	117.0550, 33.6980, 6.0340

Conversions

Conversions Part 2

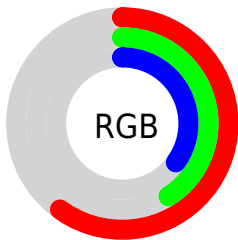
Format	Color
R_{YB}	153, 108, 90
Decimal	10053722
CIE _{Lab}	48.77, 17.86, 15.84
CIE _{LCh}	49, 23.871, 41.556
Yxy	17.4111, 0.4041, 0.3530
Android (android.graphics.Color)	4288243802 (0xFF99685A)
YUV	117.0550, -13.3381, 31.5238
Hunter-Lab	41.7266, 12.2470, 12.1818

Details

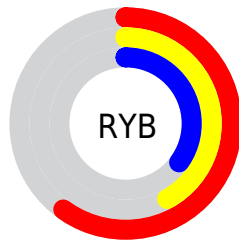
The XYZ color **19.9326, 17.4111, 11.9830** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1984, 22.9378, 33.5524**, and the grayscale version is **16.9587, 17.8418, 19.4298**.

A 20% lighter version of the original color is **42.7495, 38.8914, 30.0646**, and **7.1243, 5.7195, 3.1114** is the 20% darker color. If you saturate the color by 10%, you get **18.2328, 14.9487, 8.5275**, and if you desaturate by 10%, it is **21.9364, 20.2669, 16.2016**.

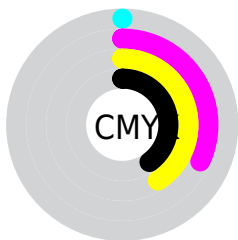
Distribution



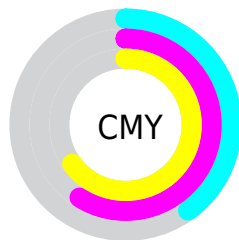
- Red (60%)
- Green (41%)
- Blue (35%)



- Red (60%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (32%)
- Yellow (41%)
- Black (40%)



- Cyan (40%)
- Magenta (59%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9326, 17.4111, 11.9830 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 19.9326, 17.4111, 11.9830 by changing the saturation by 10% instead.

■ 19.9326, 17.4111,
11.9830

■ 19.9326, 17.4111,
11.9830

244.3905,
237.5304, 215.2666

■ 12.4540, 10.5280,
6.6097

■ 42.8090, 39.0313,
30.1281

■ 7.1281, 5.7504,
3.1445

■ 58.9375, 54.5371,
43.7369

■ 3.5894, 2.6939,
1.1689

■ 78.6800, 73.6861,
60.9281

■ 1.4726, 0.9741,
0.0000

■ 102.4019, 96.8625,
82.1200

■ 0.3070, 0.0000,
0.0000

■ 130.4686,
124.4507, 107.7313

■ 0.0000, 0.0000,
0.0000

163.2453,

156.8352, 138.1805

201.0975,
194.4003, 173.8861

■ 19.9326, 17.4111,
11.9830

■ 19.9326, 17.4111,
11.9830

■ 18.2328, 14.9487,
8.5275

■ 21.9364, 20.2669,
16.2016

■ 16.8204, 12.8597,
5.7881

■ 24.2570, 23.5298,
21.2243

■ 15.6791, 11.1263,
3.7141

■ 26.9082, 27.2161,
27.0907

■ 14.7901, 9.7280,
2.2477

■ 29.9026, 31.3402,
33.8370

■ 14.1325, 8.6421,
1.3212

■ 33.2519, 35.9161,
41.4977

■ 13.7091, 7.9168,
0.8055

■ 36.9675, 40.9569,
50.1052

■ 41.0600, 46.4754,
59.6904

■ 45.5399, 52.4837,
70.2829

■ 50.4171, 58.9935,
81.9108

Harmonies

Analogous

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



21.0655, 17.4111, 16.6252



19.9326, 17.4111, 11.9830



17.9283, 17.4111, 9.6059

Triad

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



19.9326, 17.4111, 11.9830



12.8398, 17.4111, 15.3660



17.4137, 17.4111, 33.5360

Complementary

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



19.9326, 17.4111, 11.9830



19.1984, 22.9378, 33.5524

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.



15.2418, 17.4111, 32.9862



19.9326, 17.4111, 11.9830



12.7287, 17.4111, 21.4988

Square

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



19.9326, 17.4111, 11.9830



13.8897, 17.4111, 11.2384



13.5713, 17.4111, 28.2193



19.5272, 17.4111, 29.5870

Rectangle

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



19.9326, 17.4111, 11.9830



16.4337, 17.4111, 9.2173



13.5713, 17.4111, 28.2193



16.6643, 17.4111, 33.8912

Sweetspot

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



19.9330, 17.4119, 11.9833



47.6571, 48.0037, 47.3278



21.4789, 15.9591, 26.5087



10.3966, 10.4243, 10.1686



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.9330, 17.4119, 11.9833



32.9929, 27.2680, 15.9493



23.6672, 24.8803, 13.2281



6.3147, 6.4344, 6.5150



11.3519, 6.5863, 0.6730



0.1931, 0.1452, 0.0179

Inverse Universe

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



19.1984, 22.9378, 33.5524



31.4822, 38.4488, 59.7341



15.3131, 15.1672, 32.2573



6.2681, 6.7935, 7.9099



10.2288, 12.8542, 26.8497



0.1787, 0.2437, 0.4100

Previews

White Background



This preview shows how the XYZ color 19.9326, 17.4111, 11.9830 looks on a white background.

Color Contrast Check

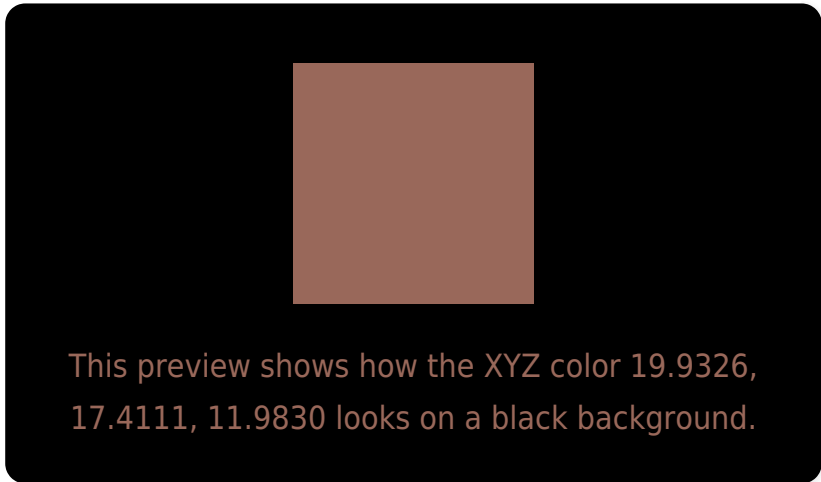
Large Text (above 18pt) WCAG AA ✓ Pass

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

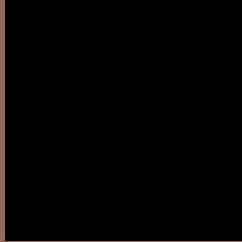
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9326, 17.4111, 11.9830

Background



This preview shows how black text looks on a background with the XYZ color 19.9326, 17.4111, 11.9830.



This preview shows how white text looks on a background with the XYZ color 19.9326, 17.4111,

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

19.9326, 17.4111, 11.9830

Protanopia

16.5251, 17.5463, 13.5821

Deuteranopia

17.8041, 17.4085, 11.8730



Tritanopia

20.9316, 17.3800, 16.7195

Trichromacy



Original Color

19.9326, 17.4111, 11.9830

Protanomaly

17.6461, 17.4648, 13.0307

Deuteranomaly

18.4934, 17.2860, 11.8130

Tritanomaly

20.4761, 17.3321, 14.8366

Monochromacy



Original Color

19.9326, 17.4111, 11.9830

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.6539, 17.3957, 16.3372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9326, 17.4111, 11.9830 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(153, 104, 90)` looks like.

```
.text, #text, p{  
    color:rgb(153, 104, 90)  
}
```

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(153, 104, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 104, 90) }
```

Border

The CSS property to change the border of an element to XYZ 19.9326, 17.4111, 11.9830 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(153, 104, 90) }
```


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

```
.border{ border-color:rgb(153, 104, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 104, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 104, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 104, 90);  
box-shadow:4px 4px 4px 4px rgb(153, 104,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9326, 17.4111, 11.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 104, 90) }
```

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

```
.background{ background-color: rgb(153,  
104, 90) }
```

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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