

Converting Colors

XYZ(22.2708, 19.7114, 16.4287)

Have a look what the booklet for
XYZ(22.2708, 19.7114, 16.4287)
contains.

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Color

**XYZ(22.3526, 19.8180,
16.5571)**

Conversions

Conversions Part 1

Format	Color
Hex	9D706B
RGB	157, 112, 107
RGB Percent	62%, 44%, 42%
CMY	0.3843, 0.5608, 0.5804
CMYK	0.00, 0.29, 0.32, 0.38
HSL	6°, 20%, 52%
HSV	6°, 32%, 62%
XYZ	22.3526, 19.8180, 16.5571
YIQ	124.8850, 28.4250, 7.9850

Conversions

Conversions Part 2

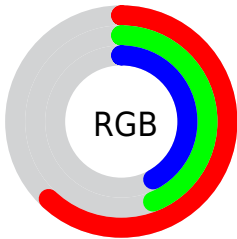
Format	Color
R_{YB}	157, 113, 107
Decimal	10317931
CIE _{Lab}	51.63, 17.11, 9.85
CIE _{LCh}	52, 19.748, 29.932
Yxy	19.8180, 0.3806, 0.3375
Android (android.graphics.Color)	4288508011 (0xFF9D706B)
YUV	124.8850, -8.8173, 28.1649
Hunter-Lab	44.5174, 11.7210, 9.1108

Details

The XYZ color **22.3526, 19.8180, 16.5571** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.3770, 28.0155, 36.0736**, and the grayscale version is **19.4768, 20.4911, 22.3148**.

A 20% lighter version of the original color is **46.8876, 43.1657, 38.2083**, and **8.3579, 6.9361, 5.1733** is the 20% darker color. If you saturate the color by 10%, you get **20.1620, 16.6407, 12.1151**, and if you desaturate by 10%, it is **24.9389, 23.5465, 21.8714**.

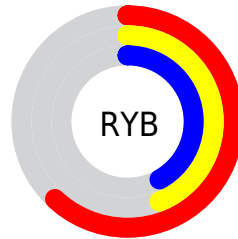
Distribution



Red (62%)

Green (44%)

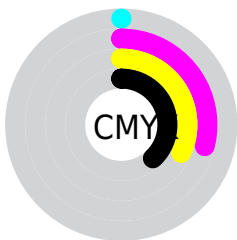
Blue (42%)



Red (62%)

Yellow (44%)

Blue (42%)

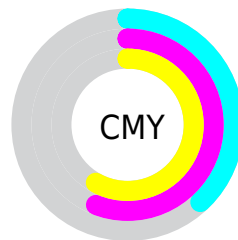


Cyan (0%)

Magenta (29%)

Yellow (32%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3526, 19.8180, 16.5571 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 22.3526, 19.8180, 16.5571 by changing the saturation by 10% instead.


 22.3526, 19.8180,
16.5571


 22.3526, 19.8180,
16.5571


256.9800,
250.9281, 244.5639


 14.2343, 12.2628,
9.7606


 46.8026, 43.1118,
38.3428

 8.3666, 6.9229,
5.1370


 63.8650, 59.6193,
54.1692

 4.3842, 3.4139,
2.2677

 84.6394, 79.8796,
73.8426

 1.9217, 1.3515,
0.7131

 109.4913,
104.2772, 97.7815

 0.5894, 0.1805,
0.0000

138.7859,
133.1964, 126.4046

 0.0000, 0.0000,
0.0000

172.8887,

167.0218, 160.1303

212.1649,
206.1375, 199.3773

■ 22.3526, 19.8180,
16.5571

■ 22.3526, 19.8180,
16.5571

■ 20.1620, 16.6407,
12.1151

■ 24.9389, 23.5465,
21.8714

■ 18.3459, 13.9857,
8.4976

■ 27.9375, 27.8476,
28.0999

■ 16.8839, 11.8259,
5.6540


■ 31.3660, 32.7450,
35.2832


■ 15.7525, 10.1305,
3.5279

■ 35.2403, 38.2604,
43.4592

■ 14.9257, 8.8652,
2.0548


■ 39.5756, 44.4143,
52.6636


 14.3732, 7.9911,
1.1590

 44.3866, 51.2262,
62.9305

 14.0856, 7.5301,
0.7111

 49.6871, 58.7148,
74.2923

 55.4904, 66.8980,
86.7801

 61.8092, 75.7933,
100.4237

Harmonies

Analogous

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



22.9298, 19.8180, 21.5914



22.3526, 19.8180, 16.5571



20.8203, 19.8180, 13.4128

Triad

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



22.3526, 19.8180, 16.5571



15.7138, 19.8180, 16.5383



18.8319, 19.8180, 34.5038

Complementary

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



22.3526, 19.8180, 16.5571



23.3770, 28.0155, 36.0736

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.



16.9827, 19.8180, 32.5255



22.3526, 19.8180, 16.5571



15.2617, 19.8180, 21.5654

Square

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



22.3526, 19.8180, 16.5571



16.9901, 19.8180, 13.4034



15.7098, 19.8180, 27.5244



20.8119, 19.8180, 32.5426

Rectangle

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



22.3526, 19.8180, 16.5571



19.5136, 19.8180, 12.4836



15.7098, 19.8180, 27.5244



18.1751, 19.8180, 34.2735

Sweetspot

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



22.3531, 19.8189, 16.5575



50.9951, 51.2482, 52.3320



24.8299, 19.9507, 32.2479



11.0545, 11.0385, 11.1674



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.3531, 19.8189, 16.5575



37.2567, 31.4721, 24.0125



25.5042, 26.1210, 17.6078



6.6838, 6.7477, 6.9358



11.4541, 6.1437, 0.5822



0.2185, 0.1373, 0.0150

Inverse Universe

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



23.3770, 28.0155, 36.0736



39.3689, 48.4212, 64.3980



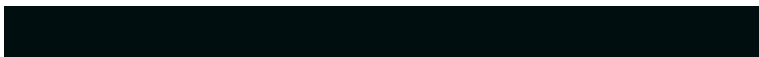
19.7387, 20.7390, 34.8609



6.7651, 7.3960, 8.4777



12.7286, 17.5488, 28.6236



0.2423, 0.3432, 0.5167

Previews

White Background



This preview shows how the XYZ color 22.3526, 19.8180, 16.5571 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 22.3526, 19.8180, 16.5571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

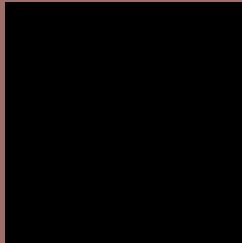
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3526, 19.8180, 16.5571

Background



This preview shows how black text looks on a background with the XYZ color 22.3526, 19.8180, 16.5571.



This preview shows how white text looks on a background with the XYZ color 22.3526, 19.8180,

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

22.3526, 19.8180, 16.5571

Protanopia

18.9657, 19.9474, 18.4734

Deuteranopia

20.3537, 19.9850, 16.4204



Tritanopia

23.0063, 19.7529, 20.0529

Trichromacy



Original Color

22.3526, 19.8180, 16.5571

Protanomaly

20.1135, 19.8303, 17.8065

Deuteranomaly

20.8795, 19.7344, 16.3443

Tritanomaly

22.8795, 19.8758, 18.8502

Monochromacy



Original Color

22.3526, 19.8180, 16.5571

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3030, 20.0593, 19.9413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3526, 19.8180, 16.5571 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(157, 112, 107)` looks like.

```
.text, #text, p{  
    color:rgb(157, 112, 107)  
}
```

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(157, 112, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 112, 107) }
```

Border

The CSS property to change the border of an element to XYZ 22.3526, 19.8180, 16.5571 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(157, 112, 107) }
```


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

```
.border{ border-color:rgb(157, 112, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 112, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 112, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 112, 107);  
box-shadow:4px 4px 4px 4px rgb(157, 112,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3526, 19.8180, 16.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 112, 107) }
```

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

```
.background{ background-color: rgb(157,  
112, 107) }
```

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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