

Converting Colors

XYZ(24.7481, 21.1607, 11.7969)

Have a look what the booklet for
XYZ(24.7481, 21.1607, 11.7969)
contains.

XYZ(24.7481, 21.1607, 11.7969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7481, 21.1607,
11.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7057
RGB	173, 112, 87
RGB Percent	68%, 44%, 34%
CMY	0.3216, 0.5608, 0.6588
CMYK	0.00, 0.35, 0.50, 0.32
HSL	17°, 34%, 51%
HSV	17°, 50%, 68%
XYZ	24.7481, 21.1607, 11.7969
YIQ	127.3890, 44.3810, 5.1570

Conversions

Conversions Part 2

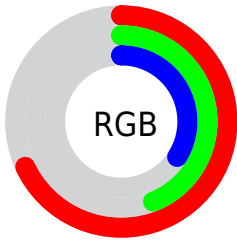
Format	Color
R_{YB}	173, 122, 87
Decimal	11366487
CIE _{Lab}	53.12, 21.33, 23.84
CIE _{LCh}	53, 31.984, 48.179
Yxy	21.1607, 0.4289, 0.3667
Android (android.graphics.Color)	4289556567 (0xFFAD7057)
YUV	127.3890, -19.9118, 40.0008
Hunter-Lab	46.0008, 15.5305, 16.9956

Details

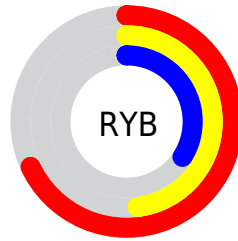
The XYZ color **24.7481, 21.1607, 11.7969** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.0628, 26.2221, 43.4337**, and the grayscale version is **20.3629, 21.4233, 23.3300**.

A 20% lighter version of the original color is **50.7458, 45.3460, 29.7450**, and **9.6490, 7.5667, 3.0498** is the 20% darker color. If you saturate the color by 10%, you get **22.8614, 18.3862, 8.0890**, and if you desaturate by 10%, it is **26.9898, 24.3741, 16.4592**.

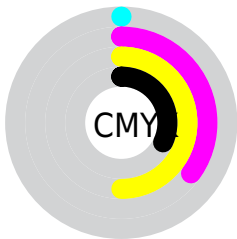
Distribution



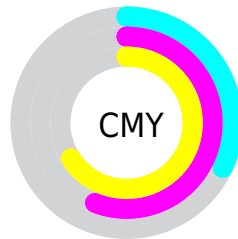
- Red (68%)
- Green (44%)
- Blue (34%)



- Red (68%)
- Yellow (48%)
- Blue (34%)



- Cyan (0%)
- Magenta (35%)
- Yellow (50%)
- Black (32%)




- Cyan (32%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7481, 21.1607, 11.7969 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 24.7481, 21.1607, 11.7969 by changing the saturation by 10% instead.


 24.7481, 21.1607,
11.7969


 24.7481, 21.1607,
11.7969


268.9520,
258.1313, 213.9860


 16.0172, 13.2415,
6.4847


 50.6941, 45.3548,
29.7835


 9.6273, 7.5951,
3.0685


 68.6400, 62.3986,
43.2950


 5.2129, 3.8370,
1.1297

 90.3881, 83.2526,
60.3766

 2.4087, 1.5828,
0.0000

 116.3041,
108.3014, 81.4469

 0.8495, 0.3459,
0.0000

 146.7530,
137.9292, 106.9245

 0.0000, 0.0000,
0.0000

182.1004,

172.5206, 137.2278

222.7116,
212.4598, 172.7755

■ 24.7481, 21.1607,
11.7969

■ 24.7481, 21.1607,
11.7969

■ 22.8614, 18.3862,
8.0890

■ 26.9898, 24.3741,
16.4592

■ 21.3084, 16.0276,
5.2670

■ 29.6029, 28.0417,
22.1354

■ 20.0677, 14.0647,
3.2551

■ 32.6048, 32.1819,
28.8815

■ 19.1145, 12.4739,
1.9640

■ 36.0112, 36.8109,
36.7491

■ 18.4051, 11.2229,
1.2106

■ 39.8368, 41.9445,
45.7864

■ 18.3870, 11.1910,
1.1910

■ 44.0958, 47.5974,
56.0387

■ 48.8015, 53.7838,
67.5490

■ 53.9666, 60.5176,
80.3582

■ 59.6034, 67.8118,
94.5052

Harmonies

Analogous

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



26.9154, 21.1607, 17.7242



24.7481, 21.1607, 11.7969



21.4689, 21.1607, 9.2356

Triad

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



24.7481, 21.1607, 11.7969



14.4157, 21.1607, 19.4454



22.2018, 21.1607, 45.5399

Complementary

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



24.7481, 21.1607, 11.7969



22.0628, 26.2221, 43.4337

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.



18.8147, 21.1607, 46.3837



24.7481, 21.1607, 11.7969



14.5651, 21.1607, 29.3257

Square

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



24.7481, 21.1607, 11.7969



15.6615, 21.1607, 12.7526



16.0954, 21.1607, 39.8133



25.3360, 21.1607, 37.7551

Rectangle

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



24.7481, 21.1607, 11.7969



19.2052, 21.1607, 9.1248



16.0954, 21.1607, 39.8133



21.0482, 21.1607, 46.7109

Sweetspot

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



24.7486, 21.1618, 11.7973



61.0164, 61.2142, 57.7400



26.0375, 17.8591, 30.3555



12.9956, 12.9428, 11.9394



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.



24.7486, 21.1618, 11.7973



40.5377, 32.3210, 13.7214



30.5702, 32.8049, 13.7378



8.1879, 8.3806, 8.3994



13.5518, 8.3090, 0.8895



0.4246, 0.3264, 0.0406

Inverse Universe

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



22.0628, 26.2221, 43.4337



35.1043, 42.3697, 77.1337



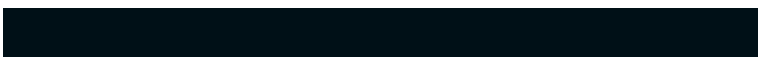
16.5898, 15.2763, 41.6094



8.0367, 8.6727, 10.2031



10.7686, 12.6711, 30.9227



0.3436, 0.4405, 0.8749

Previews

White Background



This preview shows how the XYZ color 24.7481, 21.1607, 11.7969 looks on a white background.

Color Contrast Check

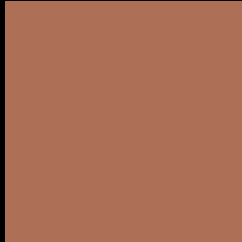
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7481, 21.1607, 11.7969 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 24.7481, 21.1607, 11.7969

Background



This preview shows how black text looks on a background with the XYZ color 24.7481, 21.1607, 11.7969.



This preview shows how white text looks on a background with the XYZ color 24.7481, 21.1607,

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

24.7481, 21.1607, 11.7969

Protanopia

19.8817, 21.2874, 13.4169

Deuteranopia

21.7361, 21.3472, 11.5691



Tritanopia

26.1941, 21.1000, 19.2151

Trichromacy



Original Color

24.7481, 21.1607, 11.7969

Protanomaly

21.4255, 21.1584, 12.8523

Deuteranomaly

22.6554, 21.1023, 11.6832

Tritanomaly

25.4740, 20.9559, 16.0669

Monochromacy



Original Color

24.7481, 21.1607, 11.7969

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.3858, 21.0182, 18.2590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7481, 21.1607, 11.7969 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(173, 112, 87)` looks like.

```
.text, #text, p{  
    color:rgb(173, 112, 87)  
}
```

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(173, 112, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 112, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.7481, 21.1607, 11.7969 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(173, 112, 87) }
```


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

```
.border{ border-color:rgb(173, 112, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 112, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 112, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 112, 87);  
box-shadow:4px 4px 4px 4px rgb(173, 112,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7481, 21.1607, 11.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 112, 87) }
```

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

```
.background{ background-color: rgb(173,  
112, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor