

Converting Colors

XYZ(24.0762, 21.5817, 6.8056)

Have a look what the booklet for
XYZ(24.0762, 21.5817, 6.8056)
contains.

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Color

**XYZ(23.9972, 21.5568,
6.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	AC7439
RGB	172, 116, 57
RGB Percent	67%, 45%, 22%
CMY	0.3255, 0.5451, 0.7765
CMYK	0.00, 0.33, 0.67, 0.33
HSL	31°, 50%, 45%
HSV	31°, 67%, 67%
XYZ	23.9972, 21.5568, 6.7670
YIQ	126.0180, 52.3150, -6.4770

Conversions

Conversions Part 2

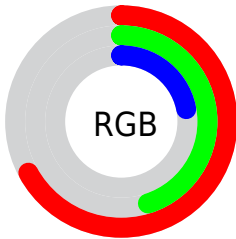
Format	Color
R _Y B	166, 172, 57
Decimal	11301945
CIE Lab	53.55, 16.22, 40.70
CIE LCh	54, 43.811, 68.274
Yxy	21.5568, 0.4587, 0.4120
Android (android.graphics.Color)	4289492025 (0xFFAC7439)
YUV	126.0180, -34.0259, 40.3262
Hunter-Lab	46.4293, 11.0073, 23.8591

Details

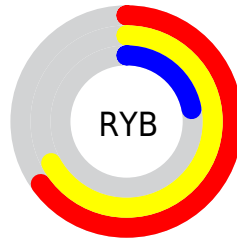
The XYZ color **23.9972, 21.5568, 6.7670** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.0386, 15.6581, 41.2593**, and the grayscale version is **19.9374, 20.9757, 22.8426**.

A 20% lighter version of the original color is **49.5591, 46.0348, 19.9092**, and **9.3079, 7.8626, 1.2281** is the 20% darker color. If you saturate the color by 10%, you get **22.7164, 19.5696, 4.5699**, and if you desaturate by 10%, it is **25.5114, 23.7784, 9.7594**.

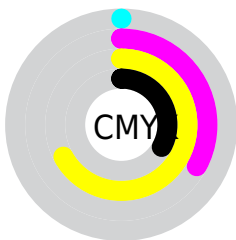
Distribution



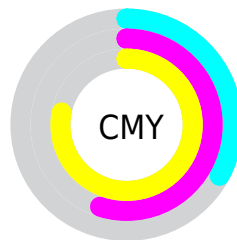
- Red (67%)
- Green (45%)
- Blue (22%)



- Red (65%)
- Yellow (67%)
- Blue (22%)



- Cyan (0%)
- Magenta (33%)
- Yellow (67%)
- Black (33%)



- Cyan (33%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9972, 21.5568, 6.7670 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 23.9972, 21.5568, 6.7670 by changing the saturation by 10% instead.

■ 23.9972, 21.5568,
6.7670

■ 23.9972, 21.5568,
6.7670

265.2471,
260.2230, 175.2702

■ 15.4563, 13.5316,
3.2406

■ 49.4803, 46.0124,
20.0077

■ 9.2286, 7.7956,
1.2188

■ 67.1533, 63.2116,
30.5592

■ 4.9489, 3.9645,
0.0000

■ 88.6009, 84.2375,
44.2893

■ 2.2518, 1.6537,
0.0000

■ 114.1886,
109.4747, 61.6168

■ 0.7698, 0.3934,
0.0000

■ 144.2817,
139.3074, 82.9600

■ 0.0000, 0.0000,
0.0000

■ 179.2456,

174.1201, 108.7377

219.4456,
214.2971, 139.3682

■ 23.9972, 21.5568,
6.7670

■ 23.9972, 21.5568,
6.7670

■ 22.7164, 19.5696,
4.5699

■ 25.5114, 23.7784,
9.7594

■ 21.6499, 17.8029,
3.0851

■ 27.2729, 26.2409,
13.6162

■ 20.7736, 16.2440,
2.1956

■ 29.2962, 28.9543,
18.4005

■ 20.5234, 15.7910,
1.9663

■ 31.5938, 31.9269,
24.1690

■ 34.1777, 35.1667,
30.9738

■ 37.0587, 38.6810,
38.8633

■ 40.2472, 42.4772,
47.8829

■ 43.7531, 46.5619,
58.0753

■ 47.5858, 50.9418,
69.4810

Harmonies

Analogous

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



28.3807, 21.5568, 10.8710



23.9972, 21.5568, 6.7670



19.2234, 21.5568, 6.1089

Triad

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



23.9972, 21.5568, 6.7670



12.8237, 21.5568, 27.3717



26.5718, 21.5568, 50.0133

Complementary

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



23.9972, 21.5568, 6.7670



15.0386, 15.6581, 41.2593

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.



21.8091, 21.5568, 59.2416



23.9972, 21.5568, 6.7670



14.2154, 21.5568, 43.2843

Square

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



23.9972, 21.5568, 6.7670



13.2263, 21.5568, 15.1789



17.3407, 21.5568, 56.3972



30.0175, 21.5568, 34.3401

Rectangle

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



23.9972, 21.5568, 6.7670



16.5220, 21.5568, 7.3235



17.3407, 21.5568, 56.3972



25.0453, 21.5568, 54.1987

Sweetspot

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



23.9977, 21.5579, 6.7674



60.3031, 61.6852, 51.6522



21.5423, 12.9234, 17.4285



12.8283, 13.0585, 10.4955



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.



23.9977, 21.5579, 6.7674



40.2798, 33.9875, 6.9078



32.5043, 38.5711, 9.6029



8.3322, 8.6693, 8.4476



15.3280, 11.8615, 1.4816



0.4810, 0.4391, 0.0594

Inverse Universe

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



15.0386, 15.6581, 41.2593



22.8768, 22.5408, 73.9508



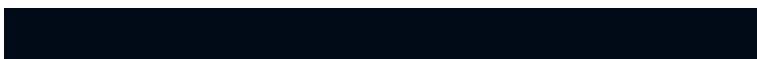
10.5970, 6.7749, 39.7788



7.8887, 8.3768, 10.1538



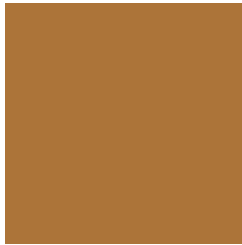
7.9409, 7.0156, 29.9801



0.2758, 0.3050, 0.8523

Previews

White Background



This preview shows how the XYZ color 23.9972, 21.5568, 6.7670 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 23.9972, 21.5568, 6.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

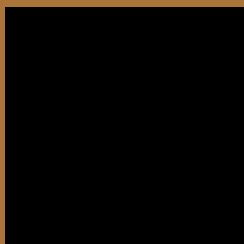
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9972, 21.5568, 6.7670

Background



This preview shows how black text looks on a background with the XYZ color 23.9972, 21.5568, 6.7670.



This preview shows how white text looks on a background with the XYZ color 23.9972, 21.5568,

6.7670.

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

23.9972, 21.5568, 6.7670

Protanopia

19.7168, 21.5260, 7.5306

Deuteranopia

21.9472, 21.5658, 6.6203



Tritanopia

26.6431, 21.4754, 19.8805

Trichromacy



Original Color

23.9972, 21.5568, 6.7670

Protanomaly

21.1601, 21.5139, 7.3123

Deuteranomaly

22.7401, 21.6110, 6.7142

Tritanomaly

25.5847, 21.5468, 13.8768

Monochromacy



Original Color

23.9972, 21.5568, 6.7670

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.6362, 20.6983, 15.2194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9972, 21.5568, 6.7670 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, 116, 57)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 57)  
}
```

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, 116, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.9972, 21.5568, 6.7670 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, 116, 57) }
```


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

```
.border{ border-color:rgb(172, 116, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 57);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9972, 21.5568, 6.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 57) }
```

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

```
.background{ background-color: rgb(172,  
116, 57) }
```

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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