

Converting Colors

XYZ(18.5476, 17.5938, 2.4184)

Have a look what the booklet for
XYZ(18.5476, 17.5938, 2.4184)
contains.

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Color

**XYZ(18.4994, 17.4974,
2.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	996C00
RGB	153, 108, 0
RGB Percent	60%, 42%, 0%
CMY	0.4000, 0.5765, 1.0000
CMYK	0.00, 0.29, 1.00, 0.40
HSL	42°, 100%, 30%
HSV	42°, 100%, 60%
XYZ	18.4994, 17.4974, 2.4023
YIQ	109.1430, 61.4880, -24.0480

Conversions

Conversions Part 2

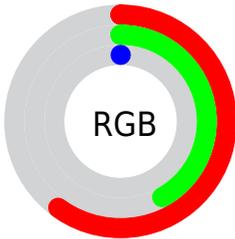
Format	Color
R_{YB}	64, 153, 0
Decimal	10054656
CIE _{Lab}	48.88, 10.10, 55.77
CIE _{LCh}	49, 56.677, 79.730
Yxy	17.4974, 0.4818, 0.4557
Android (android.graphics.Color)	4288244736 (0xFF996C00)
YUV	109.1430, -53.8075, 38.4626
Hunter-Lab	41.8299, 5.7399, 25.8759

Details

The XYZ color **18.4994, 17.4974, 2.4023** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6882, 4.1768, 30.5904**, and the grayscale version is **14.7129, 15.4791, 16.8568**.

A 20% lighter version of the original color is **40.4467, 39.1522, 10.1280**, and **6.5985, 5.8789, 0.7870** is the 20% darker color. If you saturate the color by 10%, you get **18.4996, 17.4979, 2.4024**, and if you desaturate by 10%, it is **19.0751, 18.5075, 3.0304**.

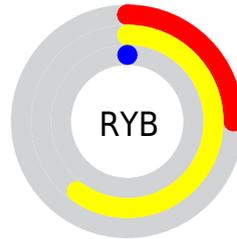
Distribution



Red (60%)

Green (42%)

Blue (0%)



Red (25%)

Yellow (60%)

Blue (0%)

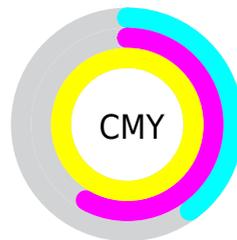


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4994, 17.4974, 2.4023 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 18.4994, 17.4974, 2.4023 by changing the saturation by 10% instead.

■ 18.4994, 17.4974,
2.4023

■ 18.4994, 17.4974,
2.4023

236.6626,
238.0227, 128.3405

■ 11.4110, 10.5898,
0.7877

■ 40.4099, 39.1790,
10.1141

■ 6.4133, 5.7917,
0.0000

■ 55.9627, 54.7218,
17.0588

■ 3.1410, 2.7188,
0.0000

■ 75.0677, 73.9117,
26.6210

■ 1.2288, 0.9868,
0.0000

■ 98.0902, 97.1332,
39.2190

■ 0.1289, 0.0000,
0.0000

■ 125.3956,
124.7707, 55.2714

■ 0.0000, 0.0000,
0.0000

■ 157.3492,

157.2085, 75.1967

■ 194.3164,
194.8310, 99.4136

■ 18.4994, 17.4974,
2.4023

■ 18.4994, 17.4974,
2.4023

■ 18.4996, 17.4979,
2.4024

■ 19.0751, 18.5075,
3.0304

■ 19.7406, 19.5925,
4.0105

■ 20.5267, 20.7662,
5.5014

■ 21.4458, 22.0339,
7.5666

■ 22.5086, 23.4004,
10.2604

■ 23.7243, 24.8701,
13.6307

■ 25.1016, 26.4470,
17.7208

■ 26.6483, 28.1345,
22.5703

■ 28.3716, 29.9361,
28.2159

Harmonies

Analogous

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



24.0603, 17.4974, 4.3973



18.4994, 17.4974, 2.4023



13.4455, 17.4974, 2.7267

Triad

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



18.4994, 17.4974, 2.4023



8.8132, 17.4974, 30.5952



25.6004, 17.4974, 44.5696

Complementary

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



18.4994, 17.4974, 2.4023



6.6882, 4.1768, 30.5904

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.



20.2831, 17.4974, 61.3767



18.4994, 17.4974, 2.4023



10.9137, 17.4974, 50.7897

Square

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



18.4994, 17.4974, 2.4023



8.5335, 17.4974, 14.3411



14.8924, 17.4974, 64.1126



28.6962, 17.4974, 24.6950

Rectangle

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



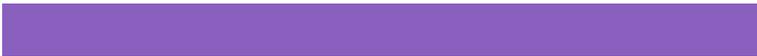
18.4994, 17.4974, 2.4023



10.9689, 17.4974, 4.3317



14.8924, 17.4974, 64.1126



23.9670, 17.4974, 51.1277

Sweetspot

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



18.4998, 17.4983, 2.4026



44.7991, 47.1900, 31.2617



13.6281, 6.9689, 3.2017



9.6761, 10.1758, 6.2523



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.



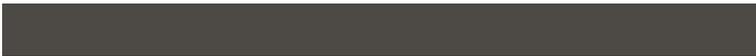
18.4998, 17.4983, 2.4026



32.9639, 31.0029, 4.2468



19.4740, 26.9491, 4.1755



6.5554, 6.9159, 6.5952



15.3195, 14.5214, 1.9955



0.2600, 0.2791, 0.0402

Inverse Universe

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



6.6882, 4.1768, 30.5904



11.8354, 7.1952, 54.7370



6.3030, 2.5852, 30.3035



6.0252, 6.3077, 7.8289



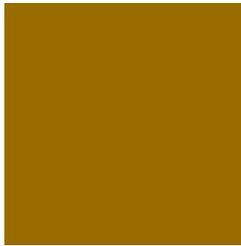
5.5536, 3.5039, 25.2913



0.1117, 0.1098, 0.3877

Previews

White Background



This preview shows how the XYZ color 18.4994, 17.4974, 2.4023 looks on a white background.

Color Contrast Check

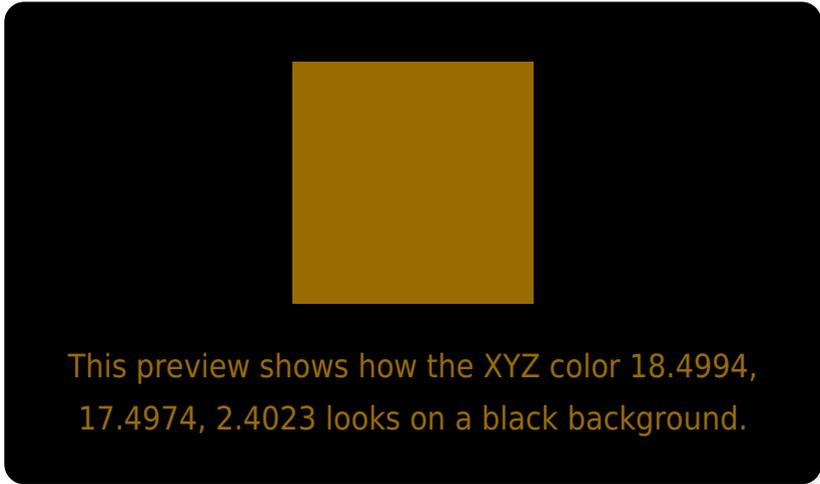
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

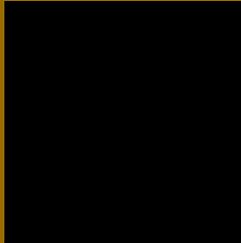
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4994, 17.4974, 2.4023

Background



This preview shows how black text looks on a background with the XYZ color 18.4994, 17.4974, 2.4023.



This preview shows how white text looks on a background with the XYZ color 18.4994, 17.4974,

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

18.4994, 17.4974, 2.4023

Protanopia

15.9263, 17.6478, 2.8254

Deuteranopia

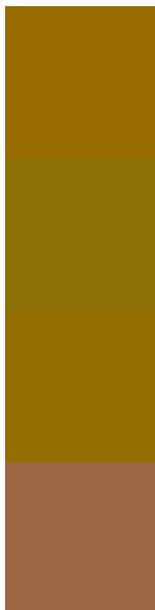
17.7171, 17.5719, 2.4579



Tritanopia

21.3645, 17.4662, 16.4326

Trichromacy



Original Color

18.4994, 17.4974, 2.4023

Protanomaly

16.8654, 17.6232, 2.6850

Deuteranomaly

17.9704, 17.5414, 2.4387

Tritanomaly

19.6347, 17.1981, 7.9149

Monochromacy



Original Color

18.4994, 17.4974, 2.4023

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0003, 15.7269, 7.8752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4994, 17.4974, 2.4023 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 0)  
}
```

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, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4994, 17.4974, 2.4023 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, 108, 0) }
```

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

```
.border{ border-color:rgb(153, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4994, 17.4974, 2.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 0) }
```

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

```
.background{ background-color: rgb(153,  
108, 0) }
```

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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