

Converting Colors

XYZ(12.0842, 12.2974, 0.1253)

Have a look what the booklet for
XYZ(12.0842, 12.2974, 0.1253)
contains.

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Color

**XYZ(12.4044, 12.4695,
1.7531)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5F00
RGB	124, 95, 0
RGB Percent	49%, 37%, 0%
CMY	0.5137, 0.6274, 1.0000
CMYK	0.00, 0.23, 1.00, 0.51
HSL	46°, 100%, 24%
HSV	46°, 100%, 49%
XYZ	12.4044, 12.4695, 1.7531
YIQ	92.8410, 47.7790, -23.3970

Conversions

Conversions Part 2

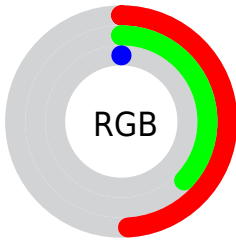
Format	Color
R_{YB}	38, 124, 0
Decimal	8150784
CIE Lab	41.95, 3.82, 49.42
CIE LCh	42, 49.564, 85.576
Yxy	12.4695, 0.4659, 0.4683
Android (android.graphics.Color)	4286340864 (0xFF7C5F00)
YUV	92.8410, -45.7706, 27.3264
Hunter-Lab	35.3122, 0.9069, 21.7750

Details

The XYZ color **12.4044, 12.4695, 1.7531** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0775, 2.3341, 19.3043**, and the grayscale version is **10.4634, 11.0083, 11.9880**.

A 20% lighter version of the original color is **29.7115, 30.2596, 8.2777**, and **3.6241, 3.4987, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **12.4045, 12.4699, 1.7531**, and if you desaturate by 10%, it is **12.7396, 13.0299, 2.2045**.

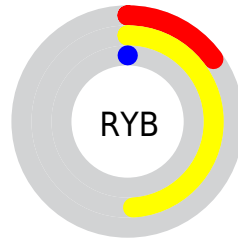
Distribution



Red (49%)

Green (37%)

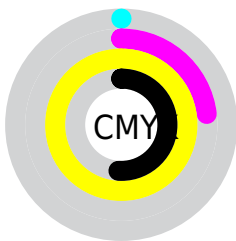
Blue (0%)



Red (15%)

Yellow (49%)

Blue (0%)

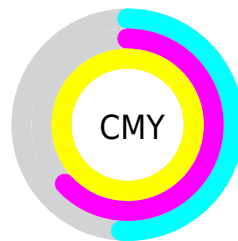


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4044, 12.4695, 1.7531 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 12.4044, 12.4695, 1.7531 by changing the saturation by 10% instead.

12.4044, 12.4695,
1.7531

12.4044, 12.4695,
1.7531

200.7802,
207.4892, 118.4169

7.0939, 7.0643,
0.3967

29.8400, 30.3474,
8.3541

3.5677, 3.5023,
0.0000

42.6959, 43.5888,
14.5399

1.4606, 1.3993,
0.0000

58.7975, 60.2111,
23.2073

0.2988, 0.2162,
0.0000


78.5103, 80.5986,
34.7748


0.0000, 0.0000,
0.0000


102.1996,
105.1358, 49.6610


130.2308,


134.2070, 68.2843


 162.9692,
168.1967, 91.0635

 12.4044, 12.4695,
1.7531


 12.4044, 12.4695,
1.7531


 12.4045, 12.4699,
1.7531

 12.7396, 13.0299,
2.2045

 13.1201, 13.6236,
2.8469

 13.5697, 14.2608,
3.8046

 14.0957, 14.9446,
5.1149

 14.7041, 15.6777,
6.8093

■ 15.4005, 16.4622,
8.9163

■ 16.1897, 17.3004,
11.4612

■ 17.0763, 18.1942,
14.4678

■ 18.0645, 19.1455,
17.9576

Harmonies

Analogous

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



16.3041, 12.4695, 2.8002



12.4044, 12.4695, 1.7531



9.0597, 12.4695, 2.2906

Triad

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



12.4044, 12.4695, 1.7531



6.5593, 12.4695, 24.3010



18.6757, 12.4695, 28.5012

Complementary

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



12.4044, 12.4695, 1.7531



4.0775, 2.3341, 19.3043

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.



15.1659, 12.4695, 41.1724



12.4044, 12.4695, 1.7531



8.2943, 12.4695, 37.9931

Square

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



12.4044, 12.4695, 1.7531



6.1178, 12.4695, 12.0776



11.3160, 12.4695, 45.3266



20.3689, 12.4695, 15.1959

Rectangle

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



12.4044, 12.4695, 1.7531



7.4937, 12.4695, 3.7769



11.3160, 12.4695, 45.3266



17.6380, 12.4695, 33.1981

Sweetspot

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



12.4047, 12.4701, 1.7533



28.3851, 30.3360, 19.8218



8.5596, 4.3841, 1.6917



6.5677, 7.0216, 4.2845



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4047, 12.4701, 1.7533



21.7206, 21.7270, 3.0489



11.7219, 16.7424, 2.6140



4.2321, 4.4826, 4.2667



12.6085, 12.6728, 1.7816



59.4697, 59.1029, 8.2736

Inverse Universe

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



4.0775, 2.3341, 19.3043



7.0816, 3.9196, 33.9399



4.2033, 1.7467, 19.1843



3.8667, 4.0317, 5.0176



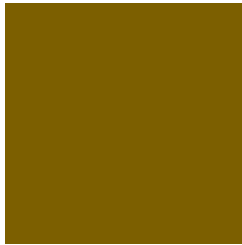
4.1432, 2.3689, 19.6242



19.2079, 10.1884, 93.4240

Previews

White Background



This preview shows how the XYZ color 12.4044, 12.4695, 1.7531 looks on a white background.

Color Contrast Check

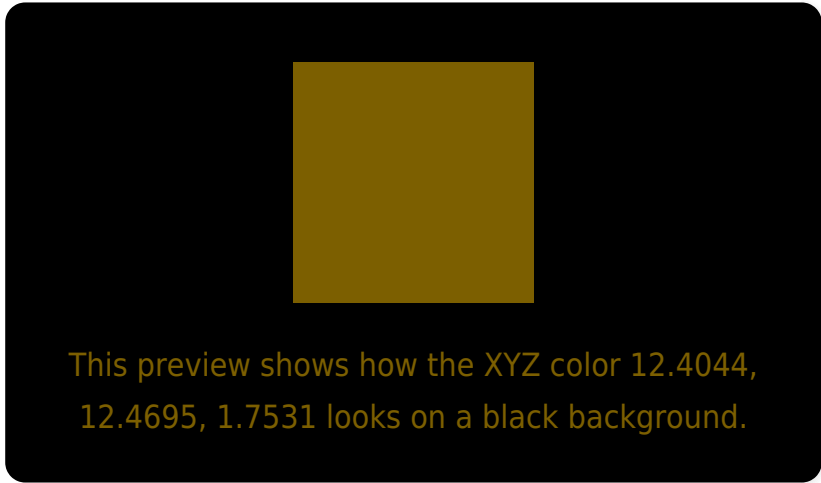
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4044, 12.4695, 1.7531

Background



This preview shows how black text looks on a background with the XYZ color 12.4044, 12.4695, 1.7531.



This preview shows how white text looks on a background with the XYZ color 12.4044, 12.4695,

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

12.4044, 12.4695, 1.7531

Protanopia

11.2721, 12.5722, 2.0049

Deuteranopia

12.6343, 12.4520, 1.8812



Tritanopia

14.6085, 12.4728, 12.4640

Trichromacy



Original Color

12.4044, 12.4695, 1.7531

Protanomaly

11.5921, 12.4571, 1.9084

Deuteranomaly

12.4766, 12.3720, 1.8166

Tritanomaly

13.3091, 12.3204, 5.9516

Monochromacy



Original Color

12.4044, 12.4695, 1.7531

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.5010, 11.2642, 5.7584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4044, 12.4695, 1.7531 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(124, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 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(124, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4044, 12.4695, 1.7531 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(124, 95, 0) }
```


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

```
.border{ border-color:rgb(124, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4044, 12.4695, 1.7531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 0) }
```

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

```
.background{ background-color: rgb(124, 95,  
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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