

Converting Colors

XYZ(12.4798, 12.3564, 2.5914)

Have a look what the booklet for
XYZ(12.4798, 12.3564, 2.5914)
contains.

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Color

**XYZ(12.4798, 12.3564,
2.5914)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5E18
RGB	124, 94, 24
RGB Percent	49%, 37%, 9%
CMY	0.5137, 0.6314, 0.9059
CMYK	0.00, 0.24, 0.81, 0.51
HSL	42°, 68%, 29%
HSV	42°, 81%, 49%
XYZ	12.4798, 12.3564, 2.5914
YIQ	94.9900, 40.3500, -15.4100

Conversions

Conversions Part 2

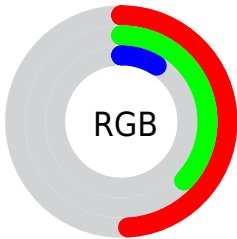
Format	Color
R _Y B	67, 124, 24
Decimal	8150552
CIE Lab	41.78, 5.09, 42.09
CIE LCh	42, 42.393, 83.100
Yxy	12.3564, 0.4550, 0.4505
Android (android.graphics.Color)	4286340632 (0xFF7C5E18)
YUV	94.9900, -34.9981, 25.4418
Hunter-Lab	35.1517, 1.8569, 20.2353

Details

The XYZ color **12.4798, 12.3564, 2.5914** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.3340, 4.2877, 19.6153**, and the grayscale version is **10.9496, 11.5198, 12.5450**.

A 20% lighter version of the original color is **29.9982, 30.1309, 10.5381**, and **3.6555, 3.4535, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **12.0563, 11.6709, 1.9525**, and if you desaturate by 10%, it is **12.9786, 13.0985, 3.5457**.

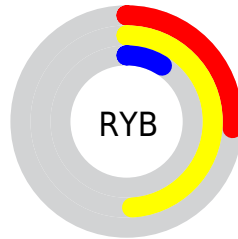
Distribution



Red (49%)

Green (37%)

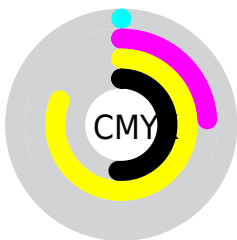
Blue (9%)



Red (26%)

Yellow (49%)

Blue (9%)

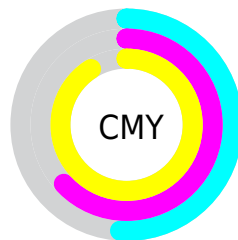


Cyan (0%)

Magenta (24%)

Yellow (81%)

Black (51%)



Cyan (51%)

Magenta (63%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4798, 12.3564, 2.5914 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 12.4798, 12.3564, 2.5914 by changing the saturation by 10% instead.

■ 12.4798, 12.3564,
2.5914

■ 12.4798, 12.3564,
2.5914

201.2620,
206.7507, 130.9731

■ 7.1458, 6.9869,
0.8880

■ 29.9753, 30.1426,
10.6024

■ 3.6006, 3.4539,
0.0000

■ 42.8676, 43.3280,
17.7490

■ 1.4788, 1.3730,
0.0000

■ 59.0101, 59.8876,
27.5478

■ 0.3113, 0.1967,
0.0000

■ 78.7680, 80.2056,
40.4173

■ 0.0000, 0.0000,
0.0000

■ 102.5068,
104.6666, 56.7761

■ 130.5919,

133.6548, 77.0426

163.3885,
167.5547, 101.6354

12.4798, 12.3564,
2.5914

12.4798, 12.3564,
2.5914

12.0563, 11.6709,
1.9525

12.9786, 13.0985,
3.5457

11.7045, 11.0696,
1.5198

13.5592, 13.8987,
4.8520

14.2281, 14.7604,
6.5426

14.9909, 15.6863,
8.6462

15.8528, 16.6786,
11.1883

■ 16.8184, 17.7396,
14.1928

■ 17.8920, 18.8713,
17.6814

■ 19.0778, 20.0757,
21.6749

■ 20.3795, 21.3546,
26.1924

Harmonies

Analogous

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



15.7262, 12.3564, 3.8623



12.4798, 12.3564, 2.5914



9.5450, 12.3564, 3.0321

Triad

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



12.4798, 12.3564, 2.5914



7.0463, 12.3564, 21.3809



17.2232, 12.3564, 26.6272

Complementary

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



12.4798, 12.3564, 2.5914



5.3340, 4.2877, 19.6153

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.



14.2581, 12.3564, 36.2456



12.4798, 12.3564, 2.5914



8.4988, 12.3564, 32.3950

Square

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



12.4798, 12.3564, 2.5914



6.7397, 12.3564, 11.4941



11.0384, 12.3564, 38.7256



18.7615, 12.3564, 15.6250

Rectangle

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



12.4798, 12.3564, 2.5914



8.1045, 12.3564, 4.4056



11.0384, 12.3564, 38.7256



16.3376, 12.3564, 30.2970

Sweetspot

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



12.4801, 12.3570, 2.5916



28.9069, 30.4697, 22.8006



9.3048, 5.2048, 4.0044



6.6895, 7.0456, 5.0018



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.



12.4801, 12.3570, 2.5916



20.6604, 19.5644, 2.8258



13.0816, 17.4244, 3.5380



4.2111, 4.4406, 4.2597



11.8963, 11.2486, 1.5442



55.9751, 52.1136, 7.1087

Inverse Universe

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



5.3340, 4.2877, 19.6153



7.6712, 5.0093, 34.1192



5.0036, 2.6441, 19.3155



3.8866, 4.0715, 5.0242



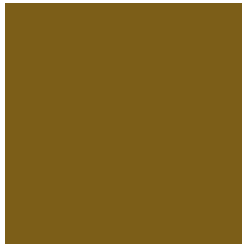
4.3751, 2.8327, 19.7015



20.2079, 12.1885, 93.7573

Previews

White Background



This preview shows how the XYZ color 12.4798, 12.3564, 2.5914 looks on a white background.

Color Contrast Check

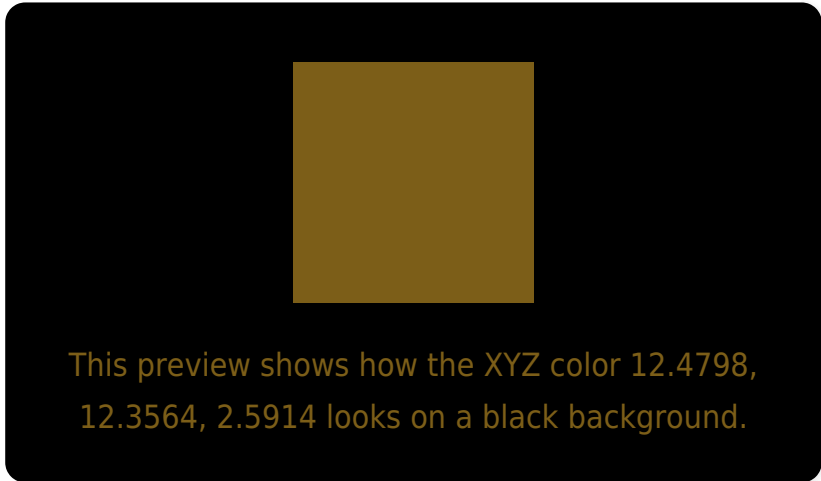
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4798, 12.3564, 2.5914

Background



This preview shows how black text looks on a background with the XYZ color 12.4798, 12.3564, 2.5914.



This preview shows how white text looks on a background with the XYZ color 12.4798, 12.3564,

2.5914.

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

12.4798, 12.3564, 2.5914

Protanopia

11.1929, 12.3734, 2.7181

Deuteranopia

12.4798, 12.3564, 2.5914



Tritanopia

14.4122, 12.3768, 12.2190

Trichromacy



Original Color

12.4798, 12.3564, 2.5914

Protanomaly

11.6526, 12.3326, 2.6860

Deuteranomaly

12.4798, 12.3564, 2.5914

Tritanomaly

13.4827, 12.2540, 7.2849

Monochromacy



Original Color

12.4798, 12.3564, 2.5914

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1102, 11.6783, 7.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4798, 12.3564, 2.5914 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, 94, 24)` looks like.

```
.text, #text, p{  
    color:rgb(124, 94, 24)  
}
```

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, 94, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 94, 24) }
```

Border

The CSS property to change the border of an element to XYZ 12.4798, 12.3564, 2.5914 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, 94, 24) }
```


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

```
.border{ border-color:rgb(124, 94, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 94, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 94, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 94, 24);  
box-shadow:4px 4px 4px 4px rgb(124, 94,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4798, 12.3564, 2.5914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 94, 24) }
```

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

```
.background{ background-color: rgb(124, 94,  
24) }
```

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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