

Converting Colors

XYZ(12.2374, 9.9382, 0.9500)

Have a look what the booklet for
XYZ(12.2374, 9.9382, 0.9500)
contains.

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Color

**XYZ(12.2803, 9.9659,
1.2764)**

Conversions

Conversions Part 1

Format	Color
Hex	864A00
RGB	134, 74, 0
RGB Percent	53%, 29%, 0%
CMY	0.4745, 0.7098, 1.0000
CMYK	0.00, 0.45, 1.00, 0.47
HSL	33°, 100%, 26%
HSV	33°, 100%, 53%
XYZ	12.2803, 9.9659, 1.2764
YIQ	83.5040, 59.5140, -10.2940

Conversions

Conversions Part 2

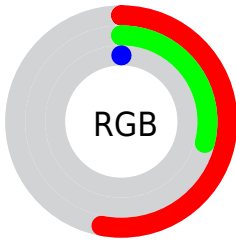
Format	Color
RYB	109, 134, 0
Decimal	8800768
CIELab	37.78, 20.96, 47.29
CIELCh	38, 51.728, 66.102
Yxy	9.9659, 0.5221, 0.4237
Android (android.graphics.Color)	4286990848 (0xFF864A00)
YUV	83.5040, -41.1675, 44.2850
Hunter-Lab	31.5688, 14.1913, 19.7009

Details

The XYZ color **12.2803, 9.9659, 1.2764** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9189, 4.9529, 23.1981**, and the grayscale version is **8.3984, 8.8358, 9.6222**.

A 20% lighter version of the original color is **29.4870, 25.6387, 6.8847**, and **3.5812, 2.4984, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **12.2804, 9.9662, 1.2764**, and if you desaturate by 10%, it is **12.7757, 10.8363, 1.8128**.

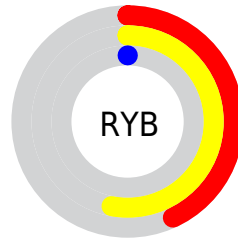
Distribution



Red (53%)

Green (29%)

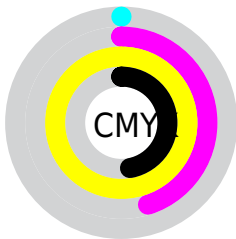
Blue (0%)



Red (43%)

Yellow (53%)

Blue (0%)

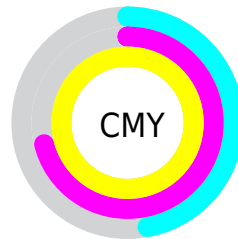


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2803, 9.9659, 1.2764 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 12.2803, 9.9659, 1.2764 by changing the saturation by 10% instead.

■ 12.2803, 9.9659,
1.2764

■ 12.2803, 9.9659,
1.2764

■ 199.9845,
190.4285, 109.8749

■ 7.0084, 5.3764,
0.0423

■ 29.6170, 25.7313,
6.9465

■ 3.5138, 2.4697,
0.0000

■ 42.4126, 37.6760,
12.4823

■ 1.4309, 0.8614,
0.0000

■ 58.4468, 52.8412,
20.3766

■ 0.2781, 0.0000,
0.0000

■ 78.0850, 71.6113,
31.0480


■ 0.0000, 0.0000,
0.0000


■ 101.6925, 94.3707,
44.9150


■ 129.6346,


121.5037, 62.3961


 162.2769,
153.3949, 83.9099


 12.2803, 9.9659,
1.2764


 12.2803, 9.9659,
1.2764


 12.2804, 9.9662,
1.2764

 12.7757, 10.8363,
1.8128

 13.3551, 11.8027,
2.5993

 14.0454, 12.8778,
3.7711

 14.8560, 14.0669,
5.3736

 15.7953, 15.3748,
7.4459

■ 16.8706, 16.8059,
10.0225

■ 18.0887, 18.3642,
13.1348

■ 19.4558, 20.0536,
16.8115

■ 20.9777, 21.8778,
21.0792

Harmonies

Analogous

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



15.5748, 9.9659, 3.2826



12.2803, 9.9659, 1.2764



8.8141, 9.9659, 0.9582

Triad

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



12.2803, 9.9659, 1.2764



4.4627, 9.9659, 12.8983



13.7213, 9.9659, 33.1311

Complementary

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



12.2803, 9.9659, 1.2764



5.9189, 4.9529, 23.1981

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.



10.1624, 9.9659, 40.7767



12.2803, 9.9659, 1.2764



5.2171, 9.9659, 25.4542

Square

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



12.2803, 9.9659, 1.2764



4.7772, 9.9659, 5.0317



7.1287, 9.9659, 37.3622



16.5328, 9.9659, 19.9959

Rectangle

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



12.2803, 9.9659, 1.2764



6.9474, 9.9659, 1.3486



7.1287, 9.9659, 37.3622



12.5450, 9.9659, 36.6931

Sweetspot

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



12.2805, 9.9664, 1.2766



31.7204, 32.1671, 22.7486



10.6551, 5.3978, 4.7972



6.9684, 7.0214, 4.6641



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.2805, 9.9664, 1.2766



21.4833, 17.2523, 2.1977



17.3221, 21.5851, 3.2535



4.8699, 5.0833, 4.9539



11.5194, 9.3614, 1.1998



0.0472, 0.0470, 0.0066

Inverse Universe

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



5.9189, 4.9529, 23.1981



10.2804, 8.4301, 40.8237



4.3870, 1.7646, 22.6634



4.5934, 4.8624, 5.8972



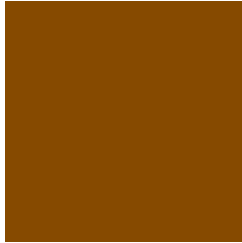
5.5572, 4.6623, 21.7437



0.0264, 0.0304, 0.0777

Previews

White Background



This preview shows how the XYZ color 12.2803, 9.9659, 1.2764 looks on a white background.

Color Contrast Check

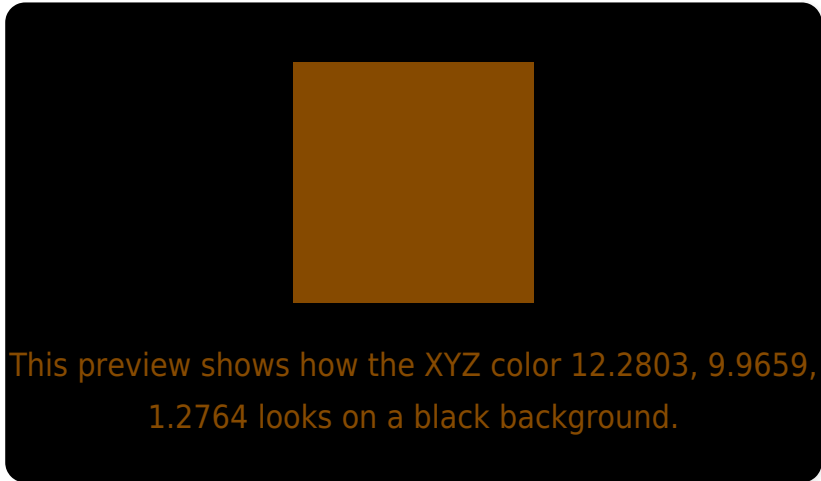
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.2803, 9.9659, 1.2764

Background



This preview shows how black text looks on a background with the XYZ color 12.2803, 9.9659, 1.2764.



This preview shows how white text looks on a background with the XYZ color 12.2803, 9.9659,

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

12.2803, 9.9659, 1.2764

Protanopia

9.0834, 10.1032, 1.7880

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

13.5175, 9.9849, 7.6934

Trichromacy



Original Color

12.2803, 9.9659, 1.2764

Protanomaly

10.0187, 9.8667, 1.5774

Deuteranomaly

10.8276, 9.9498, 1.3498

Tritanomaly

12.7580, 9.8626, 3.9206

Monochromacy



Original Color

12.2803, 9.9659, 1.2764

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.9908, 8.8191, 4.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2803, 9.9659, 1.2764 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(134, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 74, 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(134, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.2803, 9.9659, 1.2764 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(134, 74, 0) }
```


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

```
.border{ border-color:rgb(134, 74, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2803, 9.9659, 1.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 74, 0) }
```

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

```
.background{ background-color: rgb(134, 74,  
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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