

Converting Colors

XYZ(11.9544, 9.7502, 1.2519)

Have a look what the booklet for
XYZ(11.9544, 9.7502, 1.2519)
contains.

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Color

**XYZ(11.9645, 9.8031,
1.2616)**

Conversions

Conversions Part 1

Format	Color
Hex	844A00
RGB	132, 74, 0
RGB Percent	52%, 29%, 0%
CMY	0.4824, 0.7098, 1.0000
CMYK	0.00, 0.44, 1.00, 0.48
HSL	34°, 100%, 26%
HSV	34°, 100%, 52%
XYZ	11.9645, 9.8031, 1.2616
YIQ	82.9060, 58.3220, -10.7180

Conversions

Conversions Part 2

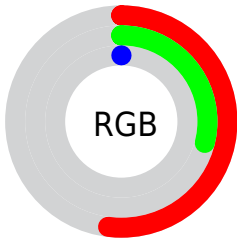
Format	Color
RYB	103, 132, 0
Decimal	8669696
CIELab	37.49, 20.04, 46.96
CIELCh	37, 51.058, 66.892
Yxy	9.8031, 0.5195, 0.4257
Android (android.graphics.Color)	4286859776 (0xFF844A00)
YUV	82.9060, -40.8727, 43.0554
Hunter-Lab	31.3099, 13.4181, 19.5279

Details

The XYZ color **11.9645, 9.8031, 1.2616** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **5.6778, 4.6919, 22.4360**, and the grayscale version is **8.2754, 8.7064, 9.4812**.

A 20% lighter version of the original color is **28.9840, 25.3794, 6.8611**, and **3.4199, 2.4152, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **11.9646, 9.8034, 1.2616**, and if you desaturate by 10%, it is **12.4439, 10.6437, 1.7863**.

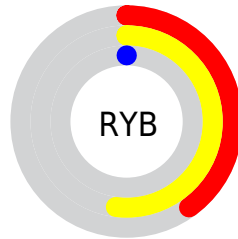
Distribution



Red (52%)

Green (29%)

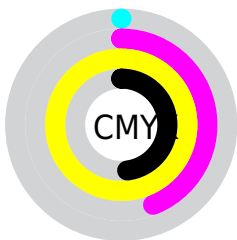
Blue (0%)



Red (40%)

Yellow (52%)

Blue (0%)

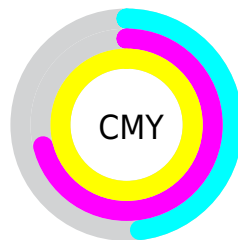


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9645, 9.8031, 1.2616 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 11.9645, 9.8031, 1.2616 by changing the saturation by 10% instead.

■ 11.9645, 9.8031,
1.2616

■ 11.9645, 9.8031,
1.2616

■ 197.9448,
189.2609, 109.5855

■ 6.7915, 5.2686,
0.0300

■ 29.0479, 25.4245,
6.9007

■ 3.3772, 2.4057,
0.0000

■ 41.6889, 37.2802,
12.4145

■ 1.3563, 0.8288,
0.0000

■ 57.5501, 52.3450,
20.2826

■ 0.2247, 0.0000,
0.0000

■ 76.9968, 71.0035,
30.9234


■ 0.0000, 0.0000,
0.0000

■ 100.3942, 93.6399,
44.7556


■ 128.1078,


120.6387, 62.1977


 160.5029,
152.3842, 83.6681


 11.9645, 9.8031,
1.2616


 11.9645, 9.8031,
1.2616


 11.9646, 9.8034,
1.2616

 12.4439, 10.6437,
1.7863

 13.0029, 11.5743,
2.5498

 13.6676, 12.6073,
3.6854

 14.4472, 13.7477,
5.2366

 15.3496, 14.9999,
7.2410

■ 16.3819, 16.3681,
9.7319

■ 17.5505, 17.8561,
12.7394

■ 18.8614, 19.4676,
16.2912

■ 20.3202, 21.2059,
20.4129

Harmonies

Analogous

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



15.1974, 9.8031, 3.1764



11.9645, 9.8031, 1.2616



8.5943, 9.8031, 0.9748

Triad

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



11.9645, 9.8031, 1.2616



4.4239, 9.8031, 12.9457



13.5497, 9.8031, 32.0590

Complementary

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



11.9645, 9.8031, 1.2616



5.6778, 4.6919, 22.4360

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.



10.0803, 9.8031, 39.7228



11.9645, 9.8031, 1.2616



5.1917, 9.8031, 25.2462

Square

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



11.9645, 9.8031, 1.2616



4.7047, 9.8031, 5.1181



7.0930, 9.8031, 36.6945



16.2500, 9.8031, 19.2538

Rectangle

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



11.9645, 9.8031, 1.2616



6.7886, 9.8031, 1.3845



7.0930, 9.8031, 36.6945



12.4074, 9.8031, 35.5794

Sweetspot

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



11.9647, 9.8036, 1.2618



30.7693, 31.2708, 22.0549



10.3155, 5.2255, 4.6574



6.9855, 7.0557, 4.6698



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.



11.9647, 9.8036, 1.2618



20.9251, 16.9674, 2.1722



16.7671, 20.8925, 3.1490



4.8730, 5.0895, 4.9549



11.5902, 9.5030, 1.2234



0.0474, 0.0475, 0.0067

Inverse Universe

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



5.6778, 4.6919, 22.4360



9.8570, 7.9757, 39.4731



4.2475, 1.7086, 21.9355



4.5903, 4.8563, 5.8962



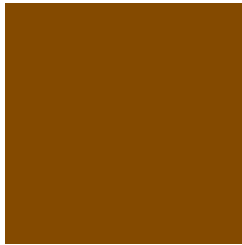
5.5027, 4.5532, 21.7255



0.0261, 0.0299, 0.0776

Previews

White Background



This preview shows how the XYZ color 11.9645, 9.8031, 1.2616 looks on a white background.

Color Contrast Check

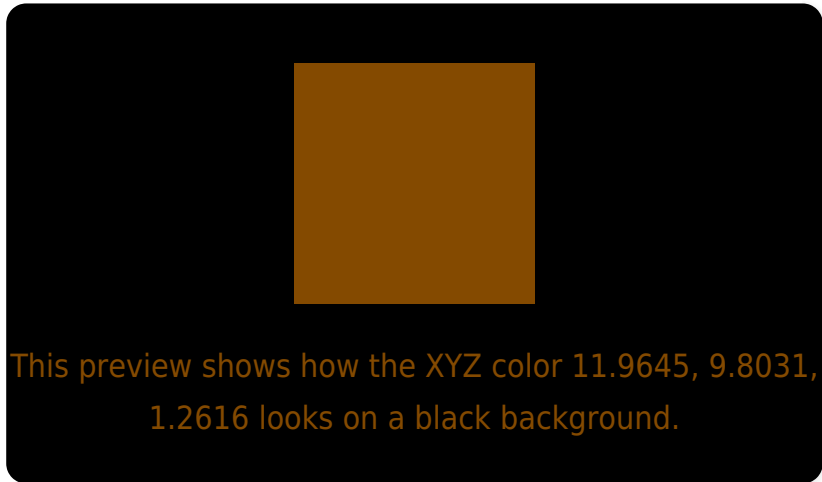
Large Text (above 18pt) WCAG AA ✓ Pass

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

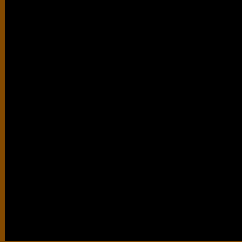
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9645, 9.8031, 1.2616

Background



This preview shows how black text looks on a background with the XYZ color 11.9645, 9.8031, 1.2616.



This preview shows how white text looks on a background with the XYZ color 11.9645, 9.8031,

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

11.9645, 9.8031, 1.2616

Protanopia

8.8883, 9.8782, 1.7548

Deuteranopia

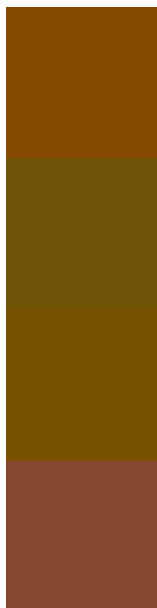
9.8524, 9.7854, 1.3695



Tritanopia

13.3558, 9.9016, 7.6858

Trichromacy



Original Color

11.9645, 9.8031, 1.2616

Protanomaly

9.8908, 9.8007, 1.5714

Deuteranomaly

10.4764, 9.6593, 1.3123

Tritanomaly

12.5978, 9.7800, 3.9131

Monochromacy



Original Color

11.9645, 9.8031, 1.2616

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.8781, 8.7611, 4.5913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9645, 9.8031, 1.2616 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(132, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.9645, 9.8031, 1.2616 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(132, 74, 0) }
```


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

```
.border{ border-color:rgb(132, 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(132, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9645, 9.8031, 1.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 74, 0) }
```

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

```
.background{ background-color: rgb(132, 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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