

Converting Colors

XYZ(11.7861, 9.9727, 2.4892)

Have a look what the booklet for
XYZ(11.7861, 9.9727, 2.4892)
contains.

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Color

**XYZ(11.7777, 9.9857,
2.4691)**

Conversions

Conversions Part 1

Format	Color
Hex	804D1D
RGB	128, 77, 29
RGB Percent	50%, 30%, 11%
CMY	0.4980, 0.6980, 0.8863
CMYK	0.00, 0.40, 0.77, 0.50
HSL	29°, 63%, 31%
HSV	29°, 77%, 50%
XYZ	11.7777, 9.9857, 2.4691
YIQ	86.7770, 45.8040, -4.1160

Conversions

Conversions Part 2

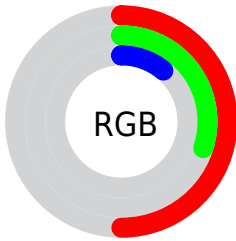
Format	Color
RYB	128, 122, 29
Decimal	8408349
CIELab	37.82, 17.31, 36.18
CIElCh	38, 40.104, 64.436
Yxy	9.9857, 0.4860, 0.4121
Android (android.graphics.Color)	4286598429 (0xFF804D1D)
YUV	86.7770, -28.4841, 36.1526
Hunter-Lab	31.6002, 11.2285, 17.4874

Details

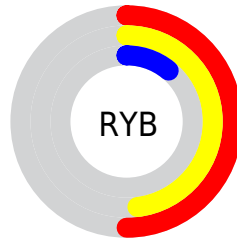
The XYZ color **11.7777, 9.9857, 2.4691** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2714, 7.5565, 21.4971**, and the grayscale version is **9.0638, 9.5359, 10.3845**.

A 20% lighter version of the original color is **28.7729, 25.7578, 10.2927**, and **3.3406, 2.4889, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **11.2130, 9.0591, 1.6557**, and if you desaturate by 10%, it is **12.4555, 11.0333, 3.6451**.

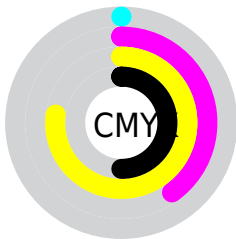
Distribution



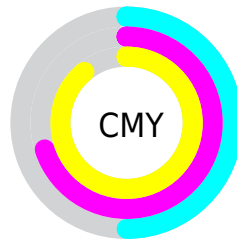
- Red (50%)
- Green (30%)
- Blue (11%)



- Red (50%)
- Yellow (48%)
- Blue (11%)



- Cyan (0%)
- Magenta (40%)
- Yellow (77%)
- Black (50%)



- Cyan (50%)
- Magenta (70%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7777, 9.9857, 2.4691 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 11.7777, 9.9857, 2.4691 by changing the saturation by 10% instead.

■ 11.7777, 9.9857,
2.4691

■ 11.7777, 9.9857,
2.4691

196.7281,
190.5700, 129.2816

■ 6.6636, 5.3895,
0.8237

■ 28.7100, 25.7686,
10.2876

■ 3.2971, 2.4775,
0.0000

■ 41.2588, 37.7241,
17.3046

■ 1.3127, 0.8654,
0.0000

■ 57.0167, 52.9014,
26.9513

■ 0.1927, 0.0000,
0.0000

■ 76.3489, 71.6850,
39.6465

■ 0.0000, 0.0000,
0.0000

■ 99.6208, 94.4593,
55.8085

■ 127.1977,

121.6086, 75.8561

159.4450,
153.5174, 100.2076

11.7777, 9.9857,
2.4691

11.7777, 9.9857,
2.4691

11.2130, 9.0591,
1.6557

12.4555, 11.0333,
3.6451

10.7437, 8.2428,
1.1225

13.2543, 12.2058,
5.2219

10.6281, 8.0415,
0.9920

14.1820, 13.5088,
7.2336

15.2453, 14.9471,
9.7101

16.4506, 16.5251,
12.6789

■ 17.8038, 18.2470,
16.1652

■ 19.3104, 20.1166,
20.1926

■ 20.9755, 22.1379,
24.7830

■ 22.8042, 24.3145,
29.9574

Harmonies

Analogous

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



14.1575, 9.9857, 4.6902



11.7777, 9.9857, 2.4691



9.1154, 9.9857, 2.0038

Triad

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



11.7777, 9.9857, 2.4691



5.3806, 9.9857, 12.0001



12.5558, 9.9857, 27.1375

Complementary

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



11.7777, 9.9857, 2.4691



7.2714, 7.5565, 21.4971

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.



9.8770, 9.9857, 31.8554



11.7777, 9.9857, 2.4691



5.9825, 9.9857, 20.9522

Square

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



11.7777, 9.9857, 2.4691



5.7070, 9.9857, 5.8533



7.5215, 9.9857, 29.1938



14.6604, 9.9857, 18.1614

Rectangle

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



11.7777, 9.9857, 2.4691



7.5969, 9.9857, 2.4257



7.5215, 9.9857, 29.1938



11.6766, 9.9857, 29.4209

Sweetspot

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



11.7779, 9.9862, 2.4693



29.8416, 30.2212, 24.5542



10.7949, 6.0494, 8.2173



6.8190, 6.8606, 5.3218



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.7779, 9.9862, 2.4693



19.0930, 14.8167, 2.1888



16.6293, 19.6890, 4.0864



4.4864, 4.6616, 4.5834



10.5401, 7.9766, 0.9841



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.2714, 7.5565, 21.4971



10.7477, 10.3025, 37.3784



4.8839, 2.7816, 20.7012



4.2777, 4.5494, 5.4659



5.7928, 5.4041, 20.9877



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7777, 9.9857, 2.4691 looks on a white background.

Color Contrast Check

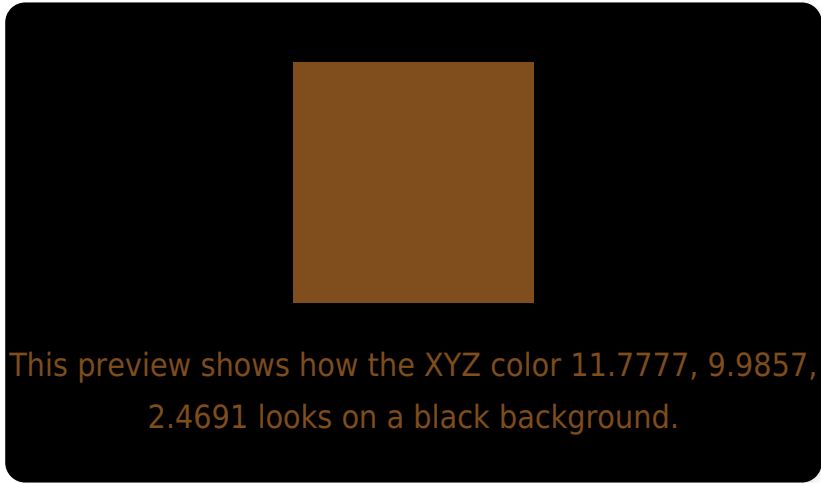
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 11.7777, 9.9857, 2.4691

Background



This preview shows how black text looks on a background with the XYZ color 11.7777, 9.9857, 2.4691.



This preview shows how white text looks on a background with the XYZ color 11.7777, 9.9857,

2.4691.

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

11.7777, 9.9857, 2.4691

Protanopia

9.1724, 10.1259, 2.8376

Deuteranopia

10.1170, 10.0163, 2.3774



Tritanopia

13.0170, 9.9958, 8.2645

Trichromacy



Original Color

11.7777, 9.9857, 2.4691

Protanomaly

9.9262, 9.9109, 2.6862

Deuteranomaly

10.6863, 9.9653, 2.3972

Tritanomaly

12.4703, 9.9696, 5.5420

Monochromacy



Original Color

11.7777, 9.9857, 2.4691

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.5561, 9.4046, 6.4659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7777, 9.9857, 2.4691 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(128, 77, 29)` looks like.

```
.text, #text, p{  
    color:rgb(128, 77, 29)  
}
```

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(128, 77, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 77, 29) }
```

Border

The CSS property to change the border of an element to XYZ 11.7777, 9.9857, 2.4691 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(128, 77, 29) }
```


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

```
.border{ border-color:rgb(128, 77, 29) }
```

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

Here you see how a box with a 4 pixel rgb(128, 77, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 77, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 77, 29);  
box-shadow:4px 4px 4px 4px rgb(128, 77,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7777, 9.9857, 2.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 77, 29) }
```

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

```
.background{ background-color: rgb(128, 77,  
29) }
```

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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