

Converting Colors

XYZ(30.1911, 24.9824, 12.2477)

Have a look what the booklet for
XYZ(30.1911, 24.9824, 12.2477)
contains.

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Color

**XYZ(30.1911, 24.9824,
12.2477)**

Conversions

Conversions Part 1

Format	Color
Hex	C17657
RGB	193, 118, 87
RGB Percent	76%, 46%, 34%
CMY	0.2431, 0.5372, 0.6588
CMYK	0.00, 0.39, 0.55, 0.24
HSL	18°, 46%, 55%
HSV	18°, 55%, 76%
XYZ	30.1911, 24.9824, 12.2477
YIQ	136.8910, 54.6510, 6.2590

Conversions

Conversions Part 2

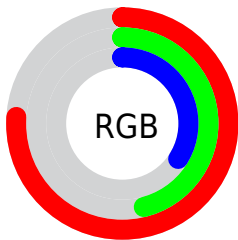
Format	Color
R_{YB}	193, 131, 87
Decimal	12678743
CIE Lab	57.06, 26.25, 29.42
CIE LCh	57, 39.425, 48.260
Yxy	24.9824, 0.4478, 0.3705
Android (android.graphics.Color)	4290868823 (0xFFC17657)
YUV	136.8910, -24.5963, 49.2076
Hunter-Lab	49.9824, 20.3510, 20.4592

Details

The XYZ color **30.1911, 24.9824, 12.2477** is a dark color, and the websafe version is hex **996633**. The color can be described as middle muted orange. A complement of this color would be **26.4759, 31.7159, 55.1784**, and the grayscale version is **23.8128, 25.0529, 27.2826**.

A 20% lighter version of the original color is **59.2232, 51.6274, 30.5106**, and **12.6817, 9.6506, 3.2922** is the 20% darker color. If you saturate the color by 10%, you get **28.0122, 21.7225, 8.1376**, and if you desaturate by 10%, it is **32.8148, 28.7948, 17.5464**.

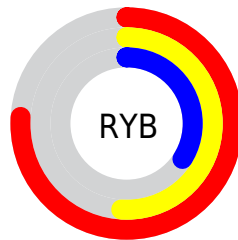
Distribution



Red (76%)

Green (46%)

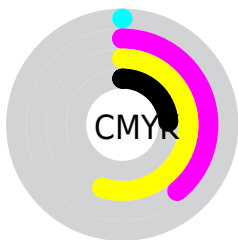
Blue (34%)



Red (76%)

Yellow (51%)

Blue (34%)

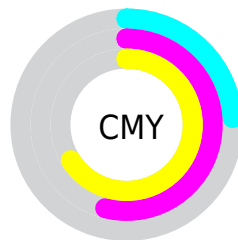


Cyan (0%)

Magenta (39%)

Yellow (55%)

Black (24%)



Cyan (24%)


Magenta (54%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1911, 24.9824, 12.2477 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 30.1911, 24.9824, 12.2477 by changing the saturation by 10% instead.


 30.1911, 24.9824,
12.2477


 30.1911, 24.9824,
12.2477


294.6881,
277.7503, 217.0741


 20.1325, 16.0639,
6.7880


 59.3488, 51.6287,
30.6166


 12.6002, 9.5694,
3.2535


 79.1786, 70.1253,
44.3628


 7.2289, 5.1144,
1.2255


 102.9962, 92.5834,
61.7084

 3.6533, 2.3145,
0.0000

 131.1669,
119.3874, 83.0717

 1.5079, 0.7814,
0.0000

 164.0561,
150.9217, 108.8714

 0.3312, 0.0000,
0.0000

202.0291,

 0.0000, 0.0000,

187.5707, 139.5260

0.0000

245.4513,
229.7187, 175.4541

■ 30.1911, 24.9824,
12.2477

■ 30.1911, 24.9824,
12.2477

■ 28.0122, 21.7225,
8.1376

■ 32.8148, 28.7948,
17.5464

■ 26.2492, 18.9844,
5.1208

■ 35.9061, 33.1807,
24.1161

■ 24.8720, 16.7401,
3.0892

■ 39.4885, 38.1646,
32.0334

■ 23.8449, 14.9568,
1.9116

■ 43.5831, 43.7685,
41.3685

■ 23.4284, 14.2097,
1.5079

■ 48.2097, 50.0130,
52.1864

■ 53.3873, 56.9180,
64.5483

■ 59.1335, 64.5024,
78.5120

■ 65.4655, 72.7843,
94.1321

■ 71.4678, 81.4084,
106.5544

Harmonies

Analogous

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



33.2612, 24.9824, 19.9579



30.1911, 24.9824, 12.2477



25.6063, 24.9824, 9.0749

Triad

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



30.1911, 24.9824, 12.2477



16.0398, 24.9824, 22.3285



26.6504, 24.9824, 59.3807

Complementary

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



30.1911, 24.9824, 12.2477



26.4759, 31.7159, 55.1784

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.



21.9762, 24.9824, 60.6549



30.1911, 24.9824, 12.2477



16.2428, 24.9824, 36.0149

Square

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



30.1911, 24.9824, 12.2477



17.6927, 24.9824, 13.4944



18.2887, 24.9824, 51.0574



31.0407, 24.9824, 47.9954

Rectangle

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



30.1911, 24.9824, 12.2477



22.4867, 24.9824, 8.9459



18.2887, 24.9824, 51.0574



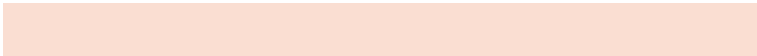
25.0494, 24.9824, 61.1158

Sweetspot

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



30.1917, 24.9837, 12.2482



77.0290, 76.9906, 71.7187



32.0085, 20.7972, 36.9621



16.1881, 16.0574, 14.6120



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.1917, 24.9837, 12.2482



49.4429, 37.7929, 13.2761



38.0937, 40.7877, 14.8822



10.3079, 10.5473, 10.5544



15.6436, 9.5729, 1.0232



0.7373, 0.5363, 0.0647

Inverse Universe

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



26.4759, 31.7159, 55.1784



42.0233, 50.9064, 97.9713



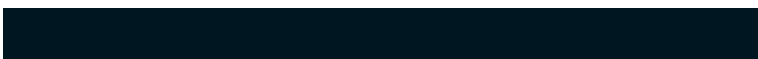
19.1287, 17.0215, 52.7293



10.1117, 10.9147, 12.8586



12.3814, 14.5192, 35.7065



0.5921, 0.7416, 1.5618

Previews

White Background



This preview shows how the XYZ color 30.1911, 24.9824, 12.2477 looks on a white background.

Color Contrast Check

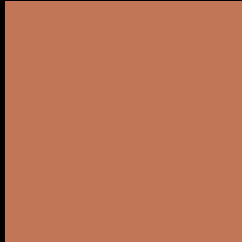
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.1911, 24.9824, 12.2477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

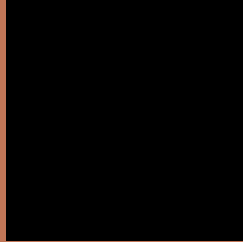
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1911, 24.9824, 12.2477

Background



This preview shows how black text looks on a background with the XYZ color 30.1911, 24.9824, 12.2477.



This preview shows how white text looks on a background with the XYZ color 30.1911, 24.9824,

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

30.1911, 24.9824, 12.2477

Protanopia

23.4056, 25.1071, 14.4390

Deuteranopia

25.4424, 24.9797, 11.8681



Tritanopia

32.1829, 24.9512, 21.5322

Trichromacy



Original Color

30.1911, 24.9824, 12.2477

Protanomaly

25.4314, 24.7373, 13.5596

Deuteranomaly

27.0050, 24.8077, 11.9594

Tritanomaly

31.3967, 24.9677, 17.6325

Monochromacy



Original Color

30.1911, 24.9824, 12.2477

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.2170, 24.4653, 20.8460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1911, 24.9824, 12.2477 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(193, 118, 87)` looks like.

```
.text, #text, p{  
    color:rgb(193, 118, 87)  
}
```

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(193, 118, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 118, 87) }
```

Border

The CSS property to change the border of an element to XYZ 30.1911, 24.9824, 12.2477 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(193, 118, 87) }
```


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

```
.border{ border-color:rgb(193, 118, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 118, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 118, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 118, 87);  
box-shadow:4px 4px 4px 4px rgb(193, 118,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1911, 24.9824, 12.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 118, 87) }
```

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

```
.background{ background-color: rgb(193,  
118, 87) }
```

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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