

Converting Colors

XYZ(18.6650, 13.0487, 3.4708)

Have a look what the booklet for
XYZ(18.6650, 13.0487, 3.4708)
contains.

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Color

**XYZ(18.6199, 12.9967,
3.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	A74827
RGB	167, 72, 39
RGB Percent	65%, 28%, 15%
CMY	0.3451, 0.7176, 0.8471
CMYK	0.00, 0.57, 0.77, 0.35
HSL	15°, 62%, 40%
HSV	15°, 77%, 65%
XYZ	18.6199, 12.9967, 3.4467
YIQ	96.6430, 67.2130, 9.8770

Conversions

Conversions Part 2

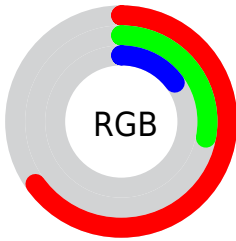
Format	Color
RYB	167, 83, 39
Decimal	10962983
CIELab	42.76, 37.12, 38.04
CIElCh	43, 53.152, 45.700
Yxy	12.9967, 0.5310, 0.3707
Android (android.graphics.Color)	4289153063 (0xFFA74827)
YUV	96.6430, -28.4180, 61.7031
Hunter-Lab	36.0509, 29.1041, 19.5672

Details

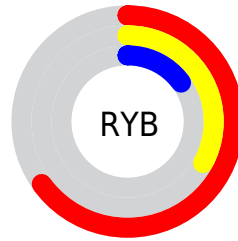
The XYZ color **18.6199, 12.9967, 3.4467** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.3361, 20.2700, 39.6104**, and the grayscale version is **11.3311, 11.9212, 12.9822**.

A 20% lighter version of the original color is **40.4412, 31.1687, 12.6888**, and **6.5748, 3.7875, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **17.6796, 11.4658, 2.0557**, and if you desaturate by 10%, it is **19.8442, 14.9009, 5.5334**.

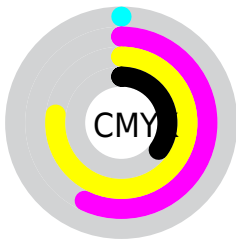
Distribution



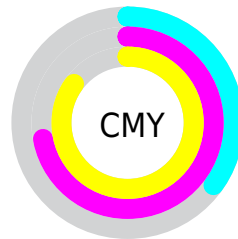
- Red (65%)
- Green (28%)
- Blue (15%)



- Red (65%)
- Yellow (33%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (77%)
- Black (35%)



- Cyan (35%)
- Magenta (72%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6199, 12.9967, 3.4467 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 18.6199, 12.9967, 3.4467 by changing the saturation by 10% instead.

■ 18.6199, 12.9967,
3.4467

■ 18.6199, 12.9967,
3.4467

237.3209,
210.8965, 141.8612

■ 11.4983, 7.4263,
1.3270

■ 40.6127, 31.2979,
12.7121

■ 6.4728, 3.7301,
0.0838

■ 56.2146, 44.7974,
20.6949

■ 3.1780, 1.5238,
0.0000

■ 75.3740, 61.7087,
31.4692

■ 1.2486, 0.3054,
0.0000

■ 98.4563, 82.4163,
45.4535

■ 0.1442, 0.0000,
0.0000

■ 125.8267,
107.3044, 63.0662

■ 0.0000, 0.0000,
0.0000

■ 157.8507,

136.7576, 84.7261

194.8937,
171.1602, 110.8516

18.6199, 12.9967,
3.4467

18.6199, 12.9967,
3.4467

17.6796, 11.4658,
2.0557

19.8442, 14.9009,
5.5334

16.9922, 10.2782,
1.2492

21.3747, 17.1998,
8.3930

16.8023, 9.9476,
1.0345

23.2323, 19.9157,
12.0931

25.4356, 23.0683,
16.6935

28.0018, 26.6763,
22.2487

■ 30.9469, 30.7570,
28.8087

■ 34.2859, 35.3270,
36.4202

■ 38.0329, 40.4020,
45.1267

■ 42.2014, 45.9970,
54.9694

Harmonies

Analogous

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



21.4547, 12.9967, 8.9392



18.6199, 12.9967, 3.4467



14.3753, 12.9967, 1.6812

Triad

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



18.6199, 12.9967, 3.4467



6.2453, 12.9967, 9.3316



14.5793, 12.9967, 48.2480

Complementary

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



18.6199, 12.9967, 3.4467



16.3361, 20.2700, 39.6104

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.



10.5298, 12.9967, 48.5676



18.6199, 12.9967, 3.4467



6.2766, 12.9967, 21.0745

Square

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



18.6199, 12.9967, 3.4467



7.5810, 12.9967, 3.5989



7.6784, 12.9967, 36.8272



18.7970, 12.9967, 36.1043

Rectangle

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



18.6199, 12.9967, 3.4467



11.5966, 12.9967, 1.5449



7.6784, 12.9967, 36.8272



13.1416, 12.9967, 49.8994

Sweetspot

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



18.6202, 12.9974, 3.4469



51.7779, 50.0422, 43.4397



21.0349, 11.4158, 24.0164



11.1936, 10.6508, 8.8531



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.6202, 12.9974, 3.4469



30.7582, 18.9816, 2.5870



24.9664, 25.6898, 5.5623



7.6825, 7.8451, 7.8986



12.8922, 7.6816, 0.8032



0.3538, 0.2671, 0.0329

Inverse Universe

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



16.3361, 20.2700, 39.6104



26.2441, 32.1490, 70.2974



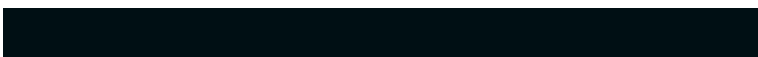
10.0650, 7.7279, 37.5200



7.5814, 8.1997, 9.6015



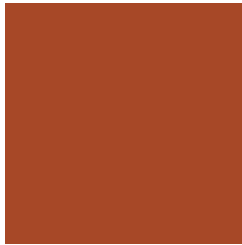
10.8878, 13.2358, 29.9564



0.3027, 0.3976, 0.7414

Previews

White Background



This preview shows how the XYZ color 18.6199, 12.9967, 3.4467 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



This preview shows how the XYZ color 18.6199, 12.9967, 3.4467 looks on a 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 18.6199, 12.9967, 3.4467

Background



This preview shows how black text looks on a background with the XYZ color 18.6199, 12.9967, 3.4467.



This preview shows how white text looks on a background with the XYZ color 18.6199, 12.9967,

3.4467.

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

18.6199, 12.9967, 3.4467

Protanopia

12.0949, 13.2269, 4.7119

Deuteranopia

13.2878, 13.1657, 3.2074



Tritanopia

19.4182, 12.9401, 7.7776

Trichromacy



Original Color

18.6199, 12.9967, 3.4467

Protanomaly

13.8876, 12.6582, 4.1939

Deuteranomaly

14.9484, 12.8516, 3.2828

Tritanomaly

19.1189, 12.9180, 5.9006

Monochromacy



Original Color

18.6199, 12.9967, 3.4467

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.8203, 11.6388, 8.4083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6199, 12.9967, 3.4467 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(167, 72, 39)` looks like.

```
.text, #text, p{  
    color:rgb(167, 72, 39)  
}
```

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(167, 72, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 72, 39) }
```

Border

The CSS property to change the border of an element to XYZ 18.6199, 12.9967, 3.4467 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(167, 72, 39) }
```


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

```
.border{ border-color:rgb(167, 72, 39) }
```

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

Here you see how a box with a 4 pixel rgb(167, 72, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 72, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 72, 39);  
box-shadow:4px 4px 4px 4px rgb(167, 72,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6199, 12.9967, 3.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 72, 39) }
```

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

```
.background{ background-color: rgb(167, 72,  
39) }
```

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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