

Converting Colors

XYZ(19.3585, 16.7109, 6.7023)

Have a look what the booklet for
XYZ(19.3585, 16.7109, 6.7023)
contains.

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Color

**XYZ(19.3313, 16.6302,
6.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	9D643E
RGB	157, 100, 62
RGB Percent	62%, 39%, 24%
CMY	0.3843, 0.6078, 0.7569
CMYK	0.00, 0.36, 0.61, 0.38
HSL	24°, 43%, 43%
HSV	24°, 61%, 62%
XYZ	19.3313, 16.6302, 6.7485
YIQ	112.7110, 46.1700, 0.2660

Conversions

Conversions Part 2

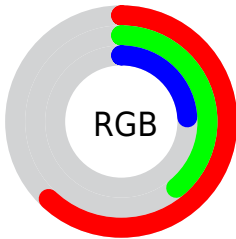
Format	Color
RYB	157, 125, 62
Decimal	10314814
CIELab	47.79, 19.08, 30.83
CIELCh	48, 36.262, 58.247
Yxy	16.6302, 0.4526, 0.3894
Android (android.graphics.Color)	4288504894 (0xFF9D643E)
YUV	112.7110, -25.0005, 38.8415
Hunter-Lab	40.7801, 13.2504, 18.7345

Details

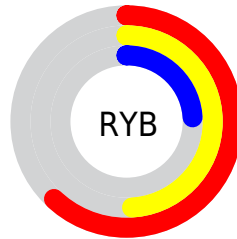
The XYZ color **19.3313, 16.6302, 6.7485** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.6689, 16.6514, 34.3391**, and the grayscale version is **15.6729, 16.4891, 17.9566**.

A 20% lighter version of the original color is **41.6674, 37.5771, 20.0959**, and **6.8538, 5.4115, 1.2136** is the 20% darker color. If you saturate the color by 10%, you get **18.1094, 14.7791, 4.5142**, and if you desaturate by 10%, it is **20.7830, 18.7417, 9.6738**.

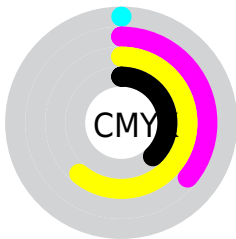
Distribution



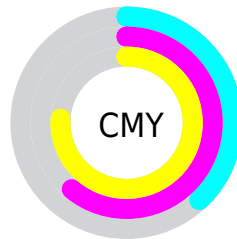
- Red (62%)
- Green (39%)
- Blue (24%)



- Red (62%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (38%)



- Cyan (38%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3313, 16.6302, 6.7485 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 19.3313, 16.6302, 6.7485 by changing the saturation by 10% instead.

■ 19.3313, 16.6302,
6.7485

■ 19.3313, 16.6302,
6.7485

241.1748,
233.0322, 175.1081

■ 12.0153, 9.9712,
3.2293

■ 41.8057, 37.6889,
19.9696

■ 6.8264, 5.3799,
1.2129

■ 57.6949, 52.8573,
30.5086

■ 3.3991, 2.4718,
0.0000

■ 77.1725, 71.6310,
44.2246

■ 1.3682, 0.8625,
0.0000

■ 100.6040, 94.3943,
61.5360

■ 0.2334, 0.0000,
0.0000

■ 128.3545,
121.5317, 82.8616

■ 0.0000, 0.0000,
0.0000

■ 160.7897,

153.4276, 108.6198

198.2746,
190.4663, 139.2291

■ 19.3313, 16.6302,
6.7485

■ 19.3313, 16.6302,
6.7485

■ 18.1094, 14.7791,
4.5142

■ 20.7830, 18.7417,
9.6738

■ 17.1014, 13.1744,
2.9105

■ 22.4763, 21.1218,
13.3416

■ 16.2911, 11.8042,
1.8681

■ 24.4238, 23.7813,
17.7995

■ 15.6714, 10.7016,
1.2396

■ 26.6364, 26.7294,
23.0909

■ 29.1247, 29.9753,
29.2559

■ 31.8984, 33.5272,
36.3320

■ 34.9668, 37.3934,
44.3546

■ 38.3387, 41.5818,
53.3572

■ 42.0227, 46.0997,
63.3714

Harmonies

Analogous

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



21.9804, 16.6302, 10.8848



19.3313, 16.6302, 6.7485



15.9986, 16.6302, 5.4570

Triad

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



19.3313, 16.6302, 6.7485



10.3434, 16.6302, 17.5651



18.9549, 16.6302, 38.9111

Complementary

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



19.3313, 16.6302, 6.7485



14.6689, 16.6514, 34.3391

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.



15.6160, 16.6302, 42.5572



19.3313, 16.6302, 6.7485



10.9127, 16.6302, 27.9756

Square

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



19.3313, 16.6302, 6.7485



11.0628, 16.6302, 10.2228



12.7385, 16.6302, 38.0060



21.7429, 16.6302, 29.2629

Rectangle

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



19.3313, 16.6302, 6.7485



13.9281, 16.6302, 5.8680



12.7385, 16.6302, 38.0060



17.8467, 16.6302, 40.9994

Sweetspot

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



19.3317, 16.6310, 6.7488



48.6245, 49.0811, 43.6059



18.9571, 11.9454, 18.7594



10.4452, 10.4654, 8.9740



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.3317, 16.6310, 6.7488



31.6847, 25.2966, 6.8373



25.2858, 28.5392, 8.7335



6.8399, 7.0599, 6.9879



12.7624, 8.7605, 1.0183



0.2684, 0.2370, 0.0316

Inverse Universe

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



14.6689, 16.6514, 34.3391



22.5170, 25.2500, 60.8137



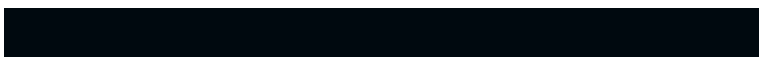
10.3577, 8.0290, 32.9020



6.5990, 7.0637, 8.4223



8.2446, 8.5808, 27.1290



0.1880, 0.2346, 0.4986

Previews

White Background



This preview shows how the XYZ color 19.3313, 16.6302, 6.7485 looks on a white background.

Color Contrast Check

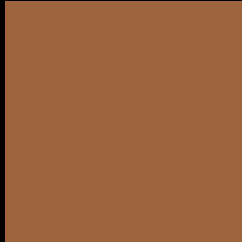
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3313, 16.6302, 6.7485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

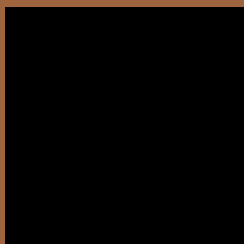
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3313, 16.6302, 6.7485

Background



This preview shows how black text looks on a background with the XYZ color 19.3313, 16.6302, 6.7485.



This preview shows how white text looks on a background with the XYZ color 19.3313, 16.6302,

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

19.3313, 16.6302, 6.7485

Protanopia

15.4879, 16.7998, 7.7366

Deuteranopia

16.9934, 16.6268, 6.5886



Tritanopia

20.9877, 16.6173, 14.6717

Trichromacy



Original Color

19.3313, 16.6302, 6.7485

Protanomaly

16.7393, 16.6373, 7.3301

Deuteranomaly

17.7479, 16.5511, 6.6741

Tritanomaly

20.2931, 16.6084, 11.1530

Monochromacy



Original Color

19.3313, 16.6302, 6.7485

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.4362, 16.2004, 12.8504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3313, 16.6302, 6.7485 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(157, 100, 62)` looks like.

```
.text, #text, p{  
    color:rgb(157, 100, 62)  
}
```

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(157, 100, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 100, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.3313, 16.6302, 6.7485 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(157, 100, 62) }
```


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

```
.border{ border-color:rgb(157, 100, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 100, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 100, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 100, 62);  
box-shadow:4px 4px 4px 4px rgb(157, 100,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3313, 16.6302, 6.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 100, 62) }
```

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

```
.background{ background-color: rgb(157,  
100, 62) }
```

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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