

Converting Colors

XYZ(19.9698, 16.6420, 11.1840)

Have a look what the booklet for
XYZ(19.9698, 16.6420, 11.1840)
contains.

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Color

**XYZ(19.9926, 16.5916,
11.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6257
RGB	157, 98, 87
RGB Percent	62%, 38%, 34%
CMY	0.3843, 0.6157, 0.6588
CMYK	0.00, 0.38, 0.45, 0.38
HSL	9°, 29%, 48%
HSV	9°, 45%, 62%
XYZ	19.9926, 16.5916, 11.1656
YIQ	114.3870, 38.6950, 9.0870

Conversions

Conversions Part 2

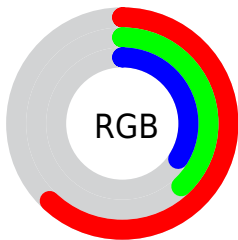
Format	Color
R_{YB}	157, 100, 87
Decimal	10314327
CIE _{Lab}	47.74, 22.61, 16.29
CIE _{LCh}	48, 27.866, 35.762
Yxy	16.5916, 0.4187, 0.3475
Android (android.graphics.Color)	4288504407 (0xFF9D6257)
YUV	114.3870, -13.5018, 37.3716
Hunter-Lab	40.7328, 16.3296, 12.2605

Details

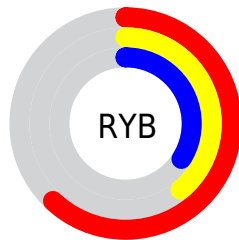
The XYZ color **19.9926, 16.5916, 11.1656** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.2946, 25.0171, 35.6573**, and the grayscale version is **16.1421, 16.9828, 18.4942**.

A 20% lighter version of the original color is **42.9944, 37.5972, 28.6578**, and **7.1520, 5.3319, 2.8427** is the 20% darker color. If you saturate the color by 10%, you get **18.2822, 14.0881, 7.7677**, and if you desaturate by 10%, it is **22.0480, 19.5619, 15.3671**.

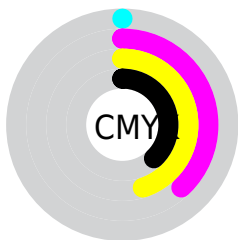
Distribution



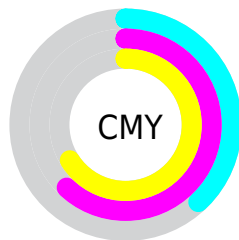
- Red (62%)
- Green (38%)
- Blue (34%)



- Red (62%)
- Yellow (39%)
- Blue (34%)



- Cyan (0%)
- Magenta (38%)
- Yellow (45%)
- Black (38%)



- Cyan (38%)
- Magenta (62%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9926, 16.5916, 11.1656 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 19.9926, 16.5916, 11.1656 by changing the saturation by 10% instead.

■ 19.9926, 16.5916,
11.1656

■ 19.9926, 16.5916,
11.1656

244.7094,
232.8078, 209.5782

■ 12.4979, 9.9437,
6.0628

■ 42.9088, 37.6222,
28.6073

■ 7.1583, 5.3617,
2.8139

■ 59.0610, 52.7738,
41.7832

■ 3.6085, 2.4610,
1.0004

■ 78.8298, 71.5288,
58.4873

■ 1.4831, 0.8570,
0.0000

■ 102.5805, 94.2715,
79.1380

■ 0.3143, 0.0000,
0.0000

■ 130.6784,
121.3863, 104.1539

■ 0.0000, 0.0000,
0.0000

163.4890,

153.2577, 133.9536

201.3775,
190.2701, 168.9555

■ 19.9926, 16.5916,
11.1656

■ 19.9926, 16.5916,
11.1656

■ 18.2822, 14.0881,
7.7677

■ 22.0480, 19.5619,
15.3671

■ 16.8964, 12.0253,
5.1210

■ 24.4650, 23.0186,
20.4183

■ 15.8146, 10.3779,
3.1683

■ 27.2602, 26.9832,
26.3626

■ 15.0129, 9.1175,
1.8437

■ 30.4493, 31.4751,
33.2406

■ 14.4635, 8.2114,
1.0668

■ 34.0467, 36.5128,
41.0899

■ 14.2454, 7.8497,
0.7643

■ 38.0662, 42.1136,
49.9466

■ 42.5211, 48.2944,
59.8443

■ 47.4239, 55.0713,
70.8157

■ 52.7866, 62.4595,
82.8915

Harmonies

Analogous

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



21.0418, 16.5916, 16.7205



19.9926, 16.5916, 11.1656



17.8228, 16.5916, 8.2087

Triad

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



19.9926, 16.5916, 11.1656



11.7867, 16.5916, 12.9909



16.2565, 16.5916, 35.4772

Complementary

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



19.9926, 16.5916, 11.1656



20.2946, 25.0171, 35.6573

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.



13.8809, 16.5916, 33.7165



19.9926, 16.5916, 11.1656



11.4613, 16.5916, 19.4806

Square

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



19.9926, 16.5916, 11.1656



13.1285, 16.5916, 9.0515



12.1879, 16.5916, 27.3455



18.7436, 16.5916, 31.6679

Rectangle

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



19.9926, 16.5916, 11.1656



16.1270, 16.5916, 7.5343



12.1879, 16.5916, 27.3455



15.4179, 16.5916, 35.5273

Sweetspot

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



19.9930, 16.5924, 11.1659



49.5417, 49.3431, 48.7593



22.5401, 16.0755, 29.3134



10.6562, 10.5113, 10.2039



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.



19.9930, 16.5924, 11.1659



32.6166, 25.0458, 13.6673



23.9442, 24.4947, 12.4830



6.7131, 6.8062, 6.9456



11.5886, 6.4129, 0.6270



0.2280, 0.1563, 0.0182

Inverse Universe

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



20.2946, 25.0171, 35.6573



33.2019, 42.1372, 63.5101



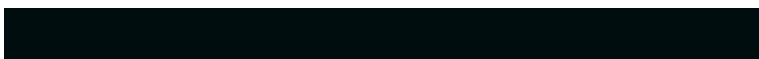
15.7555, 15.9390, 34.1443



6.7330, 7.3318, 8.4670



11.7017, 15.4949, 28.2813



0.2310, 0.3205, 0.5129

Previews

White Background



This preview shows how the XYZ color 19.9926, 16.5916, 11.1656 looks on a white background.

Color Contrast Check

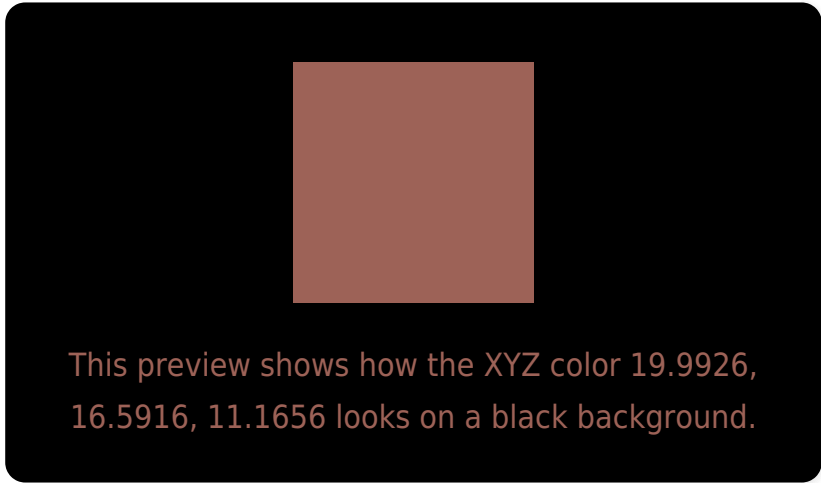
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 19.9926, 16.5916, 11.1656

Background



This preview shows how black text looks on a background with the XYZ color 19.9926, 16.5916, 11.1656.



This preview shows how white text looks on a background with the XYZ color 19.9926, 16.5916,

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

19.9926, 16.5916, 11.1656

Protanopia

15.6712, 16.6115, 12.9700

Deuteranopia

16.9398, 16.6615, 10.9175



Tritanopia

20.7316, 16.6141, 14.9461

Trichromacy



Original Color

19.9926, 16.5916, 11.1656

Protanomaly

16.9238, 16.4670, 12.1840

Deuteranomaly

17.8866, 16.5258, 11.0512

Tritanomaly

20.5329, 16.6816, 13.4469

Monochromacy



Original Color

19.9926, 16.5916, 11.1656

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.0672, 16.4704, 15.3763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9926, 16.5916, 11.1656 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, 98, 87)` looks like.

```
.text, #text, p{  
  color:rgb(157, 98, 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(157, 98, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 98, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.9926, 16.5916, 11.1656 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, 98, 87) }
```


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

```
.border{ border-color:rgb(157, 98, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 98, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 98, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 98, 87);  
box-shadow:4px 4px 4px 4px rgb(157, 98,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9926, 16.5916, 11.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 98, 87) }
```

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

```
.background{ background-color: rgb(157, 98,  
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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