

Converting Colors

XYZ(20.0641, 16.6262, 7.5183)

Have a look what the booklet for
XYZ(20.0641, 16.6262, 7.5183)
contains.

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Color

**XYZ(19.9858, 16.5317,
7.4478)**

Conversions

Conversions Part 1

Format	Color
Hex	A16143
RGB	161, 97, 67
RGB Percent	63%, 38%, 26%
CMY	0.3686, 0.6196, 0.7372
CMYK	0.00, 0.40, 0.58, 0.37
HSL	19°, 41%, 45%
HSV	19°, 58%, 63%
XYZ	19.9858, 16.5317, 7.4478
YIQ	112.7160, 47.7740, 4.2380

Conversions

Conversions Part 2

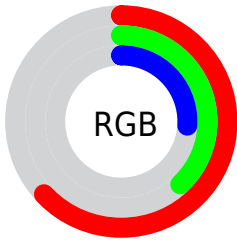
Format	Color
R_{YB}	161, 111, 67
Decimal	10576195
CIE _{Lab}	47.66, 22.91, 27.97
CIE _{LCh}	48, 36.156, 50.683
Yxy	16.5317, 0.4546, 0.3760
Android (android.graphics.Color)	4288766275 (0xFFA16143)
YUV	112.7160, -22.5380, 42.3451
Hunter-Lab	40.6592, 16.5871, 17.6009

Details

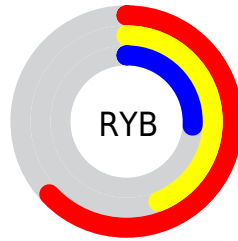
The XYZ color **19.9858, 16.5317, 7.4478** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.8637, 19.9983, 36.6894**, and the grayscale version is **15.6670, 16.4829, 17.9499**.

A 20% lighter version of the original color is **42.9557, 37.5008, 21.4974**, and **7.1210, 5.3463, 1.4672** is the 20% darker color. If you saturate the color by 10%, you get **18.6246, 14.4777, 4.9334**, and if you desaturate by 10%, it is **21.6221, 18.9210, 10.7166**.

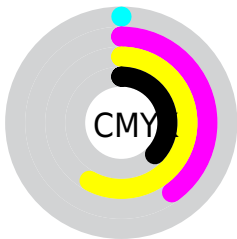
Distribution



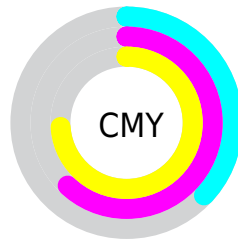
- Red (63%)
- Green (38%)
- Blue (26%)



- Red (63%)
- Yellow (44%)
- Blue (26%)



- Cyan (0%)
- Magenta (40%)
- Yellow (58%)
- Black (37%)



- Cyan (37%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9858, 16.5317, 7.4478 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 19.9858, 16.5317, 7.4478 by changing the saturation by 10% instead.

■ 19.9858, 16.5317,
7.4478

■ 19.9858, 16.5317,
7.4478

244.6733,
232.4591, 181.1041

■ 12.4929, 9.9012,
3.6610

■ 42.8975, 37.5188,
21.3966

■ 7.1549, 5.3335,
1.4413

■ 59.0470, 52.6442,
32.3957

■ 3.6063, 2.4442,
0.1736

■ 78.8128, 71.3700,
46.6359

■ 1.4819, 0.8485,
0.0000

■ 102.5603, 94.0806,
64.5360

■ 0.3135, 0.0000,
0.0000

■ 130.6547,
121.1605, 86.5142

■ 0.0000, 0.0000,
0.0000

163.4614,

152.9939, 112.9893

201.3458,
189.9653, 144.3798

■ 19.9858, 16.5317,
7.4478

■ 19.9858, 16.5317,
7.4478

■ 18.6246, 14.4777,
4.9334

■ 21.6221, 18.9210,
10.7166

■ 17.5200, 12.7406,
3.1105

■ 23.5478, 21.6580,
14.7942

■ 16.6532, 11.3035,
1.9069

■ 25.7775, 24.7572,
19.7307

■ 15.9926, 10.1436,
1.1897

■ 28.3245, 28.2318,
25.5720

■ 15.8988, 9.9789,
1.0882

■ 31.2012, 32.0942,
32.3608

■ 34.4194, 36.3561,
40.1368

■ 37.9901, 41.0288,
48.9377

■ 41.9239, 46.1232,
58.7991

■ 46.2311, 51.6496,
69.7548

Harmonies

Analogous

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



22.2691, 16.5317, 12.4202



19.9858, 16.5317, 7.4478



16.7400, 16.5317, 5.5347

Triad

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



19.9858, 16.5317, 7.4478



10.3463, 16.5317, 15.2714



18.0103, 16.5317, 40.2962

Complementary

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



19.9858, 16.5317, 7.4478



16.8637, 19.9983, 36.6894

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.



14.7287, 16.5317, 41.8769



19.9858, 16.5317, 7.4478



10.5891, 16.5317, 25.0422

Square

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



19.9858, 16.5317, 7.4478



11.3809, 16.5317, 8.9185



12.0970, 16.5317, 35.5665



21.0244, 16.5317, 31.7863

Rectangle

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



19.9858, 16.5317, 7.4478



14.5894, 16.5317, 5.5683



12.0970, 16.5317, 35.5665



16.8926, 16.5317, 41.7476

Sweetspot

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



19.9862, 16.5325, 7.4481



50.7494, 50.5913, 45.8497



20.8178, 13.2366, 23.0136



10.8421, 10.7050, 9.3878



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.9862, 16.5325, 7.4481



32.7292, 24.9592, 7.7558



25.6491, 27.8583, 9.3357



7.2497, 7.4379, 7.4336



12.7313, 8.0365, 0.8802



0.3085, 0.2508, 0.0322

Inverse Universe

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



16.8637, 19.9983, 36.6894



26.5412, 31.6312, 65.0931



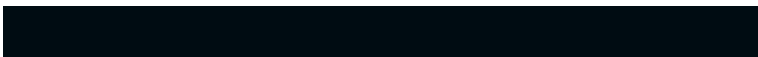
11.9364, 10.1436, 35.0470



7.0846, 7.6281, 9.0021



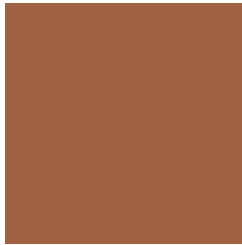
9.5956, 10.9705, 28.5416



0.2413, 0.3098, 0.6129

Previews

White Background



This preview shows how the XYZ color 19.9858, 16.5317, 7.4478 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 19.9858, 16.5317, 7.4478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

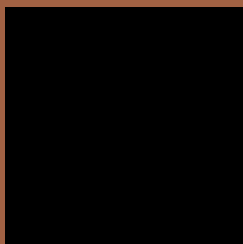
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9858, 16.5317, 7.4478

Background



This preview shows how black text looks on a background with the XYZ color 19.9858, 16.5317, 7.4478.



This preview shows how white text looks on a background with the XYZ color 19.9858, 16.5317,

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

19.9858, 16.5317, 7.4478

Protanopia

15.3883, 16.7266, 8.7208

Deuteranopia

16.7979, 16.5101, 7.3024



Tritanopia

21.3189, 16.5353, 14.1246

Trichromacy



Original Color

19.9858, 16.5317, 7.4478

Protanomaly

16.8164, 16.4984, 8.2594

Deuteranomaly

17.7877, 16.4050, 7.3832

Tritanomaly

20.6644, 16.3914, 11.3072

Monochromacy



Original Color

19.9858, 16.5317, 7.4478

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.5749, 16.1057, 13.3015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9858, 16.5317, 7.4478 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(161, 97, 67)` looks like.

```
.text, #text, p{  
    color:rgb(161, 97, 67)  
}
```

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(161, 97, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 97, 67) }
```

Border

The CSS property to change the border of an element to XYZ 19.9858, 16.5317, 7.4478 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(161, 97, 67) }
```


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

```
.border{ border-color:rgb(161, 97, 67) }
```

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

Here you see how a box with a 4 pixel rgb(161, 97, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 97, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 97, 67);  
box-shadow:4px 4px 4px 4px rgb(161, 97,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9858, 16.5317, 7.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 97, 67) }
```

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

```
.background{ background-color: rgb(161, 97,  
67) }
```

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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