

Converting Colors

XYZ(20.4008, 19.4816, 16.5950)

Have a look what the booklet for
XYZ(20.4008, 19.4816, 16.5950)
contains.

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Color

**XYZ(20.4008, 19.4816,
16.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	90746B
RGB	144, 116, 107
RGB Percent	56%, 45%, 42%
CMY	0.4353, 0.5451, 0.5804
CMYK	0.00, 0.19, 0.26, 0.44
HSL	15°, 15%, 49%
HSV	15°, 26%, 56%
XYZ	20.4008, 19.4816, 16.5950
YIQ	123.3460, 19.5770, 3.1370

Conversions

Conversions Part 2

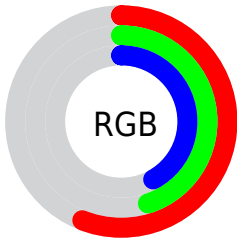
Format	Color
R_{YB}	144, 119, 107
Decimal	9466987
CIE _{Lab}	51.25, 9.52, 9.11
CIE _{LCh}	51, 13.173, 43.750
Yxy	19.4816, 0.3612, 0.3449
Android (android.graphics.Color)	4287657067 (0xFF90746B)
YUV	123.3460, -8.0586, 18.1136
Hunter-Lab	44.1380, 5.2622, 8.6047

Details

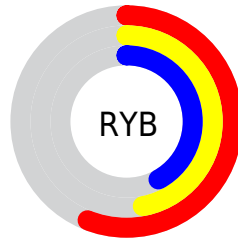
The XYZ color **20.4008, 19.4816, 16.5950** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7611, 22.4667, 29.6806**, and the grayscale version is **18.9627, 19.9503, 21.7258**.

A 20% lighter version of the original color is **43.4629, 42.4797, 38.2564**, and **7.3969, 6.7876, 5.1953** is the 20% darker color. If you saturate the color by 10%, you get **18.5223, 16.8376, 12.5372**, and if you desaturate by 10%, it is **22.5539, 22.4725, 21.3672**.

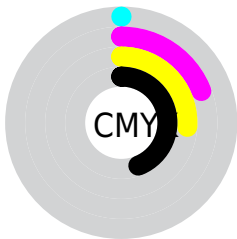
Distribution



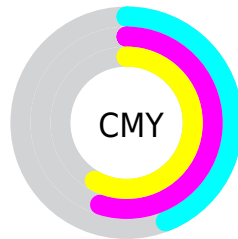
- Red (56%)
- Green (45%)
- Blue (42%)



- Red (56%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (19%)
- Yellow (26%)
- Black (44%)



- Cyan (44%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4008, 19.4816, 16.5950 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 20.4008, 19.4816, 16.5950 by changing the saturation by 10% instead.

■ 20.4008, 19.4816,
16.5950

■ 20.4008, 19.4816,
16.5950

246.8691,
249.0947, 244.7920

■ 12.7967, 12.0188,
9.7873

■ 43.5870, 42.5463,
38.4092

■ 7.3647, 6.7565,
5.1544

■ 59.8997, 58.9170,
54.2527

■ 3.7396, 3.3103,
2.2778

■ 79.8461, 79.0258,
73.9452

■ 1.5559, 1.2958,
0.7187

■ 103.7914,
103.2570, 97.9053

■ 0.3634, 0.1379,
0.0000

132.1010,
131.9952, 126.5515

■ 0.0000, 0.0000,
0.0000

165.1402,

165.6246, 160.3023

203.2745,
204.5296, 199.5763

■ 20.4008, 19.4816,
16.5950

■ 20.4008, 19.4816,
16.5950

■ 18.5223, 16.8376,
12.5372

■ 22.5539, 22.4725,
21.3672

■ 16.9055, 14.5253,
9.1582

■ 24.9906, 25.8197,
26.8850

■ 15.5388, 12.5321,
6.4208

■ 27.7216, 29.5354,
33.1789

■ 14.4090, 10.8436,
4.2839

■ 30.7564, 33.6305,
40.2775

■ 13.5018, 9.4443,
2.7015

■ 34.1041, 38.1154,
48.2079

■ 12.8009, 8.3172,
1.6209

■ 37.7734, 43.0002,
56.9959

■ 12.2853, 7.4424,
0.9671

■ 41.7727, 48.2944,
66.6663

■ 12.1038, 7.1336,
0.7390

■ 46.1101, 54.0075,
77.2428

■ 50.7934, 60.1484,
88.7481

Harmonies

Analogous

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



21.0787, 19.4816, 19.5396



20.4008, 19.4816, 16.5950



19.2321, 19.4816, 15.0006

Triad

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



20.4008, 19.4816, 16.5950



16.1972, 19.4816, 19.2527



19.1232, 19.4816, 29.0385

Complementary

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



20.4008, 19.4816, 16.5950



19.7611, 22.4667, 29.6806

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.



17.8192, 19.4816, 28.9380



20.4008, 19.4816, 16.5950



16.1712, 19.4816, 22.9775

Square

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



20.4008, 19.4816, 16.5950



16.8252, 19.4816, 16.4064



16.7523, 19.4816, 26.6149



20.3179, 19.4816, 26.8752

Rectangle

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



20.4008, 19.4816, 16.5950



18.3520, 19.4816, 14.7846



16.7523, 19.4816, 26.6149



18.6823, 19.4816, 29.2755

Sweetspot

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



20.4013, 19.4825, 16.5954



42.9684, 44.0219, 44.8895



21.1585, 18.2045, 25.4560



9.7137, 9.9033, 9.9762



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.4013, 19.4825, 16.5954



33.9570, 31.5187, 24.8695



22.6991, 24.0780, 17.3613



5.5089, 5.6240, 5.6846



10.5565, 6.2447, 0.6490



0.1160, 0.0898, 0.0112

Inverse Universe

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



19.7611, 22.4667, 29.6806



32.6210, 37.7216, 52.0997



17.4434, 17.8312, 28.9080



5.4506, 5.8970, 6.8797



9.1612, 11.3083, 24.6770



0.1047, 0.1424, 0.2416

Previews

White Background



This preview shows how the XYZ color 20.4008, 19.4816, 16.5950 looks on a white background.

Color Contrast Check

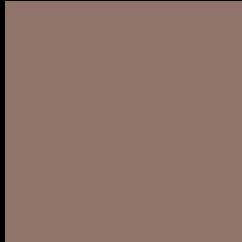
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4008, 19.4816, 16.5950 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 20.4008, 19.4816, 16.5950

Background



This preview shows how black text looks on a background with the XYZ color 20.4008, 19.4816, 16.5950.

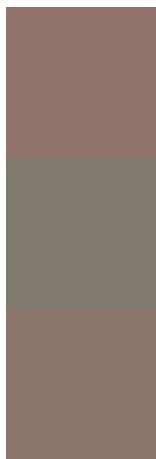


This preview shows how white text looks on a background with the XYZ color 20.4008, 19.4816,

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

20.4008, 19.4816, 16.5950

Protanopia

18.5264, 19.5569, 17.5503

Deuteranopia

19.9475, 19.5939, 16.6406



Tritanopia

21.4465, 19.5757, 21.3870

Trichromacy



Original Color

20.4008, 19.4816, 16.5950

Protanomaly

19.1497, 19.5236, 17.2271

Deuteranomaly

19.9996, 19.4468, 16.6094

Tritanomaly

21.0187, 19.5656, 19.4983

Monochromacy



Original Color

20.4008, 19.4816, 16.5950

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2874, 19.5426, 19.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4008, 19.4816, 16.5950 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(144, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(144, 116, 107)  
}
```

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(144, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 116, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.4008, 19.4816, 16.5950 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(144, 116, 107) }
```


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

```
.border{ border-color:rgb(144, 116, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 116, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(144, 116,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4008, 19.4816, 16.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 116, 107) }
```

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

```
.background{ background-color: rgb(144,  
116, 107) }
```

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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