

Converting Colors

XYZ(20.9925, 20.5478, 16.4115)

Have a look what the booklet for
XYZ(20.9925, 20.5478, 16.4115)
contains.

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Color

**XYZ(20.9950, 20.4933,
16.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	91786A
RGB	145, 120, 106
RGB Percent	57%, 47%, 42%
CMY	0.4314, 0.5294, 0.5843
CMYK	0.00, 0.17, 0.27, 0.43
HSL	22°, 16%, 49%
HSV	22°, 27%, 57%
XYZ	20.9950, 20.4933, 16.4847
YIQ	125.8790, 19.3940, 0.9460

Conversions

Conversions Part 2

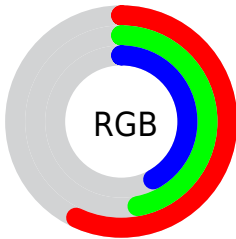
Format	Color
R_{YB}	145, 128, 106
Decimal	9533546
CIE _{Lab}	52.39, 7.46, 11.32
CIE _{LCh}	52, 13.557, 56.610
Yxy	20.4933, 0.3622, 0.3535
Android (android.graphics.Color)	4287723626 (0xFF91786A)
YUV	125.8790, -9.8003, 16.7691
Hunter-Lab	45.2695, 3.5627, 10.0985

Details

The XYZ color **20.9950, 20.4933, 16.4847** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1707, 21.3403, 29.8967**, and the grayscale version is **19.8181, 20.8502, 22.7059**.

A 20% lighter version of the original color is **44.3915, 44.0815, 38.0672**, and **7.7229, 7.3302, 5.1455** is the 20% darker color. If you saturate the color by 10%, you get **19.2399, 18.0895, 12.4888**, and if you desaturate by 10%, it is **22.9872, 23.1670, 21.1892**.

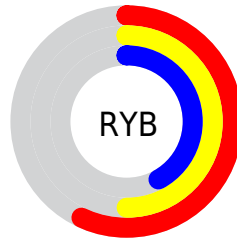
Distribution



Red (57%)

Green (47%)

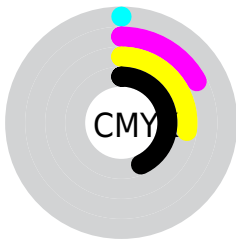
Blue (42%)



Red (57%)

Yellow (50%)

Blue (42%)

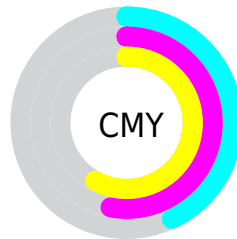


Cyan (0%)

Magenta (17%)

Yellow (27%)

Black (43%)



Cyan (43%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9950, 20.4933, 16.4847 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 20.9950, 20.4933, 16.4847 by changing the saturation by 10% instead.

■ 20.9950, 20.4933,
16.4847

■ 20.9950, 20.4933,
16.4847

249.9841,
254.5733, 244.1277

■ 13.2328, 12.7541,
9.7097

■ 44.5706, 44.2427,
38.2161

■ 7.6671, 7.2595,
5.1038

■ 61.1146, 61.0217,
54.0096

■ 3.9327, 3.6249,
2.2485

■ 81.3166, 81.5828,
73.6463

■ 1.6641, 1.4660,
0.7022

■ 105.5420,
106.3104, 97.5448

■ 0.4337, 0.2646,
0.0000

134.1561,
135.5888, 126.1237

■ 0.0000, 0.0000,
0.0000

167.5243,

169.8025, 159.8014

206.0118,
209.3359, 198.9966

■ 20.9950, 20.4933,
16.4847

■ 20.9950, 20.4933,
16.4847

■ 19.2399, 18.0895,
12.4888

■ 22.9872, 23.1670,
21.1892

■ 17.7109, 15.9441,
9.1654

■ 25.2238, 26.1161,
26.6335

■ 16.3982, 14.0487,
6.4772

■ 27.7138, 29.3494,
32.8482

■ 15.2908, 12.3936,
4.3827

■ 30.4651, 32.8744,
39.8621

■ 14.3765, 10.9682,
2.8353

■ 33.4855, 36.6986,
47.7023

■ 13.6417, 9.7609,
1.7812

■ 36.7822, 40.8289,
56.3947

■ 13.0654, 8.7571,
1.1309

■ 40.3622, 45.2720,
65.9641

■ 12.9079, 8.4814,
0.9568

■ 44.2324, 50.0345,
76.4342

■ 48.3992, 55.1229,
87.8278

Harmonies

Analogous

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



21.9812, 20.4933, 19.0408



20.9950, 20.4933, 16.4847



19.6376, 20.4933, 15.4787

Triad

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



20.9950, 20.4933, 16.4847



16.9168, 20.4933, 21.8617



20.7070, 20.4933, 29.9266

Complementary

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



20.9950, 20.4933, 16.4847



19.1707, 21.3403, 29.8967

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.



19.3198, 20.4933, 30.9124



20.9950, 20.4933, 16.4847



17.1730, 20.4933, 25.9417

Square

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



20.9950, 20.4933, 16.4847



17.3195, 20.4933, 18.3404



18.0364, 20.4933, 29.3765



21.8094, 20.4933, 26.8231

Rectangle

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



20.9950, 20.4933, 16.4847



18.7201, 20.4933, 15.7211



18.0364, 20.4933, 29.3765



20.2566, 20.4933, 30.5316

Sweetspot

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



20.9955, 20.4942, 16.4851



44.6383, 46.0710, 46.3822



20.9517, 17.9762, 23.9629



9.8030, 10.0820, 10.0060



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.



20.9955, 20.4942, 16.4851



35.7350, 34.1592, 25.2413



23.5330, 25.5691, 17.3309



5.5575, 5.7213, 5.7008



11.0945, 7.3206, 0.8283



0.1256, 0.1090, 0.0144

Inverse Universe

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



19.1707, 21.3403, 29.8967



31.9246, 35.9191, 53.2240



16.8325, 16.6640, 29.1173



5.3996, 5.7949, 6.8627



7.7615, 8.5090, 24.2104



0.0951, 0.1232, 0.2384

Previews

White Background



This preview shows how the XYZ color 20.9950, 20.4933, 16.4847 looks on a white background.

Color Contrast Check

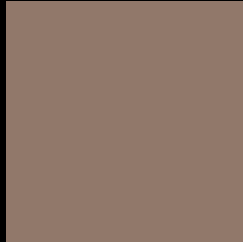
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9950, 20.4933, 16.4847 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 20.9950, 20.4933, 16.4847

Background



This preview shows how black text looks on a background with the XYZ color 20.9950, 20.4933, 16.4847.



This preview shows how white text looks on a background with the XYZ color 20.9950, 20.4933,

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

20.9950, 20.4933, 16.4847

Protanopia

19.4005, 20.5752, 17.1363

Deuteranopia

20.8196, 20.4028, 16.4765



Tritanopia

22.1598, 20.4320, 22.5145

Trichromacy



Original Color

20.9950, 20.4933, 16.4847

Protanomaly

19.8901, 20.4617, 16.8111

Deuteranomaly

20.8196, 20.4028, 16.4765

Tritanomaly

21.6623, 20.3998, 20.2486

Monochromacy



Original Color

20.9950, 20.4933, 16.4847

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2103, 20.7338, 20.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9950, 20.4933, 16.4847 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(145, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 106)  
}
```

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(145, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 106) }
```

Border

The CSS property to change the border of an element to XYZ 20.9950, 20.4933, 16.4847 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(145, 120, 106) }
```


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

```
.border{ border-color:rgb(145, 120, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 120, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 106);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9950, 20.4933, 16.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 106) }
```

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

```
.background{ background-color: rgb(145,  
120, 106) }
```

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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