

Converting Colors

XYZ(20.5522, 16.9249, 13.4371)

Have a look what the booklet for
XYZ(20.5522, 16.9249, 13.4371)
contains.

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Color

**XYZ(20.5241, 16.9548,
13.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6361
RGB	157, 99, 97
RGB Percent	62%, 39%, 38%
CMY	0.3843, 0.6117, 0.6196
CMYK	0.00, 0.37, 0.38, 0.38
HSL	2°, 24%, 50%
HSV	2°, 38%, 62%
XYZ	20.5241, 16.9548, 13.5001
YIQ	116.1140, 35.2100, 11.6740

Conversions

Conversions Part 2

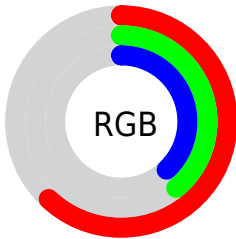
Format	Color
R_{YB}	157, 99, 97
Decimal	10314593
CIE Lab	48.20, 23.23, 10.97
CIE LCh	48, 25.691, 25.266
Yxy	16.9548, 0.4026, 0.3326
Android (android.graphics.Color)	4288504673 (0xFF9D6361)
YUV	116.1140, -9.4232, 35.8570
Hunter-Lab	41.1762, 16.9142, 9.3844

Details

The XYZ color **20.5241, 16.9548, 13.5001** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7364, 28.4173, 36.1850**, and the grayscale version is **16.6562, 17.5236, 19.0832**.

A 20% lighter version of the original color is **43.6922, 38.0969, 33.0676**, and **7.3749, 5.4902, 3.8030** is the 20% darker color. If you saturate the color by 10%, you get **18.5581, 14.0807, 9.5836**, and if you desaturate by 10%, it is **22.9060, 20.4289, 18.2705**.

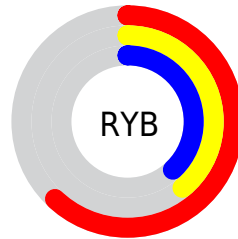
Distribution



Red (62%)

Green (39%)

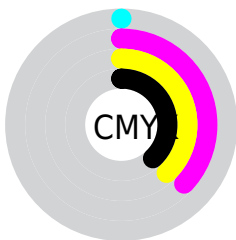
Blue (38%)



Red (62%)

Yellow (39%)

Blue (38%)

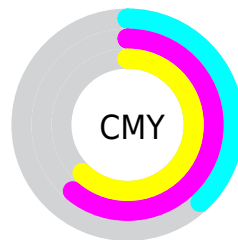


Cyan (0%)

Magenta (37%)

Yellow (38%)

Black (38%)



Cyan (38%)

Magenta (61%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5241, 16.9548, 13.5001 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 20.5241, 16.9548, 13.5001 by changing the saturation by 10% instead.

■ 20.5241, 16.9548,
13.5001

■ 20.5241, 16.9548,
13.5001

247.5183,
234.9118, 225.4176

■ 12.8871, 10.2023,
7.6391

■ 43.7914, 38.2480,
32.9036

■ 7.4273, 5.5333,
3.7804

■ 60.1524, 53.5575,
47.2832

■ 3.7794, 2.5634,
1.5057

■ 80.1521, 72.4882,
65.3393

■ 1.5781, 0.9083,
0.2221

■ 104.1558, 95.4243,
87.4906

■ 0.3781, 0.0000,
0.0000

132.5289,
122.7503, 114.1555

■ 0.0000, 0.0000,
0.0000

165.6368,

154.8506, 145.7526

203.8448,
192.1097, 182.7004

■ 20.5241, 16.9548,
13.5001

■ 20.5241, 16.9548,
13.5001

■ 18.5581, 14.0807,
9.5836

■ 22.9060, 20.4289,
18.2705

■ 16.9831, 11.7704,
6.4695

■ 25.7245, 24.5315,
23.9399

■ 15.7731, 9.9874,
4.1028

■ 29.0003, 29.2927,
30.5515


■ 14.8990, 8.6903,
2.4207


■ 32.7524, 34.7394,
38.1455


■ 14.3268, 7.8312,
1.3504


■ 36.9989, 40.8973,
46.7596


 14.0062, 7.3468,
0.7603

 41.7569, 47.7908,
56.4298

 13.9615, 7.2819,
0.6697

 47.0424, 55.4431,
67.1900

 52.8711, 63.8763,
79.0728

 59.2578, 73.1116,
92.1094

Harmonies

Analogous

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



21.0145, 16.9548, 19.5421



20.5241, 16.9548, 13.5001



18.8098, 16.9548, 9.7842

Triad

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



20.5241, 16.9548, 13.5001



12.7009, 16.9548, 12.0631



15.7475, 16.9548, 34.4621

Complementary

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



20.5241, 16.9548, 13.5001



22.7364, 28.4173, 36.1850

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.



13.6907, 16.9548, 31.1671



20.5241, 16.9548, 13.5001



12.0432, 16.9548, 17.4204

Square

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



20.5241, 16.9548, 13.5001



14.2743, 16.9548, 9.1059



12.3875, 16.9548, 24.5087



18.1076, 16.9548, 32.6954

Rectangle

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



20.5241, 16.9548, 13.5001



17.2836, 16.9548, 8.6113



12.3875, 16.9548, 24.5087



15.0003, 16.9548, 33.8910

Sweetspot

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



20.5245, 16.9556, 13.5004



50.0913, 49.7793, 50.9862



24.0958, 18.0842, 33.2309



10.8594, 10.7169, 10.8903



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.



20.5245, 16.9556, 13.5004



33.6629, 25.8425, 18.0114



23.9126, 23.7318, 14.6298



6.6499, 6.6799, 6.9245



11.3449, 5.9253, 0.5458



0.2075, 0.1152, 0.0113

Inverse Universe

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



22.7364, 28.4173, 36.1850



38.2050, 49.3960, 64.6475



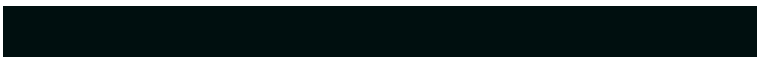
18.3493, 19.6431, 34.7226



6.8029, 7.4715, 8.4903



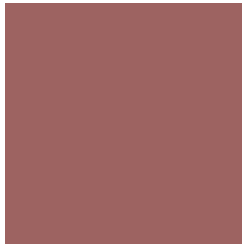
14.0358, 20.1632, 29.0594



0.2562, 0.3711, 0.5213

Previews

White Background



This preview shows how the XYZ color 20.5241, 16.9548, 13.5001 looks on a white background.

Color Contrast Check

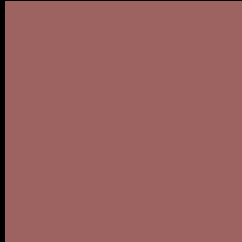
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5241, 16.9548, 13.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

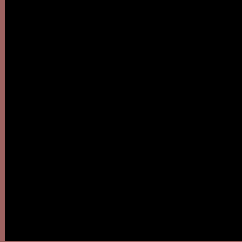
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5241, 16.9548, 13.5001

Background



This preview shows how black text looks on a background with the XYZ color 20.5241, 16.9548, 13.5001.

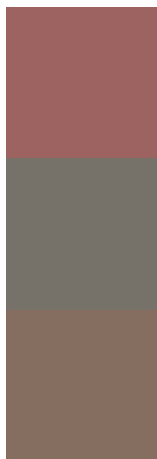


This preview shows how white text looks on a background with the XYZ color 20.5241, 16.9548,

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

20.5241, 16.9548, 13.5001

Protanopia

16.1749, 16.9765, 15.7889

Deuteranopia

17.3144, 16.9646, 13.1884



Tritanopia

21.0180, 17.0244, 15.5429

Trichromacy



Original Color

20.5241, 16.9548, 13.5001

Protanomaly

17.5398, 16.8831, 14.9047

Deuteranomaly

18.4207, 16.9034, 13.3581

Tritanomaly

20.8665, 16.9638, 14.7449

Monochromacy



Original Color

20.5241, 16.9548, 13.5001

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.6963, 17.0813, 16.8323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5241, 16.9548, 13.5001 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, 99, 97)` looks like.

```
.text, #text, p{  
    color:rgb(157, 99, 97)  
}
```

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, 99, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 99, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.5241, 16.9548, 13.5001 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, 99, 97) }
```


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

```
.border{ border-color:rgb(157, 99, 97) }
```

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

Here you see how a box with a 4 pixel rgb(157, 99, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 99, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 99, 97);  
box-shadow:4px 4px 4px 4px rgb(157, 99,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5241, 16.9548, 13.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 99, 97) }
```

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

```
.background{ background-color: rgb(157, 99,  
97) }
```

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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