

# Converting Colors

XYZ(20.2870, 16.7141, 9.9308)

Have a look what the booklet for  
XYZ(20.2870, 16.7141, 9.9308)  
contains.

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# Color

**XYZ(20.3501, 16.8030,  
9.9553)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A06251
RGB	160, 98, 81
RGB Percent	63%, 38%, 32%
CMY	0.3725, 0.6157, 0.6823
CMYK	0.00, 0.39, 0.49, 0.37
HSL	13°, 33%, 47%
HSV	13°, 49%, 63%
XYZ	20.3501, 16.8030, 9.9553
YIQ	114.6000, 42.4090, 7.8570

# Conversions

## Conversions Part 2

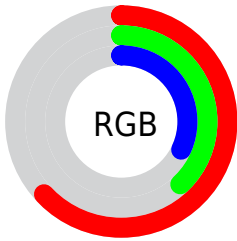
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 103, 81
Decimal	10510929
CIE <sub>Lab</sub>	48.01, 23.21, 20.26
CIE <sub>LCh</sub>	48, 30.812, 41.120
Yxy	16.8030, 0.4320, 0.3567
Android (android.graphics.Color)	4288701009 (0xFFA06251)
YUV	114.6000, -16.5648, 39.8158
Hunter-Lab	40.9915, 16.8808, 14.2947

# Details

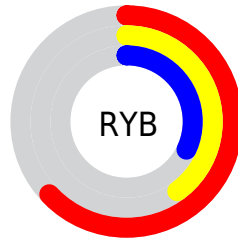
The XYZ color **20.3501, 16.8030, 9.9553** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.5605, 23.9313, 36.8460**, and the grayscale version is **16.2145, 17.0590, 18.5772**.

A 20% lighter version of the original color is **43.3920, 37.8583, 26.1395**, and **7.2847, 5.4118, 2.3297** is the 20% darker color. If you saturate the color by 10%, you get **18.7352, 14.4230, 6.7976**, and if you desaturate by 10%, it is **22.2915, 19.6099, 13.9197**.

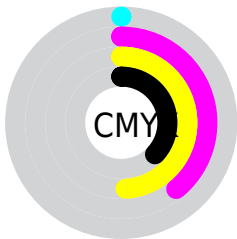
# Distribution



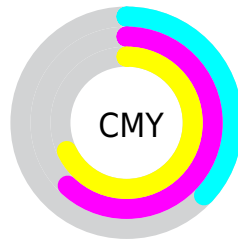
- Red (63%)
- Green (38%)
- Blue (32%)



- Red (63%)
- Yellow (40%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (49%)
- Black (37%)




- Cyan (37%)
- Magenta (62%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3501, 16.8030, 9.9553 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 20.3501, 16.8030, 9.9553 by changing the saturation by 10% instead.





 20.3501, 16.8030,  
9.9553


 20.3501, 16.8030,  
9.9553


246.6018,  
234.0346, 200.8260


 12.7595, 10.0941,  
5.2641


 43.5029, 37.9868,  
26.3179


 7.3390, 5.4614,  
2.3416


 59.7958, 53.2304,  
38.8264


 3.7232, 2.5205,  
0.7544

 79.7201, 72.0878,  
54.7777

 1.5468, 0.8868,  
0.0000

 103.6414, 94.9434,  
74.5904

 0.3573, 0.0000,  
0.0000

 131.9248,  
122.1814, 98.6831

 0.0000, 0.0000,  
0.0000

164.9357,

154.1863, 127.4742

203.0396,  
191.3426, 161.3823

■ 20.3501, 16.8030,  
9.9553

■ 20.3501, 16.8030,  
9.9553

■ 18.7352, 14.4230,  
6.7976

■ 22.2915, 19.6099,  
13.9197

■ 17.4270, 12.4462,  
4.3897

■ 24.5753, 22.8608,  
18.7403

■ 16.4052, 10.8504,  
2.6686

■ 27.2179, 26.5749,  
24.4641

■ 15.6463, 9.6100,  
1.5606

■ 30.2340, 30.7697,  
31.1340

■ 15.1103, 8.6910,  
0.9099

■ 33.6377, 35.4616,  
38.7905

■ 15.0818, 8.6428,  
0.8733

■ 37.4423, 40.6663,  
47.4713

■ 41.6603, 46.3986,  
57.2126

■ 46.3040, 52.6731,  
68.0486

■ 51.3847, 59.5035,  
80.0118

# Harmonies

## Analogous

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



21.8171, 16.8030, 15.4966



20.3501, 16.8030, 9.9553



17.7654, 16.8030, 7.2894

# Triad

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



20.3501, 16.8030, 9.9553



11.4242, 16.8030, 13.7715



17.0250, 16.8030, 37.8265

# Complementary

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



20.3501, 16.8030, 9.9553



19.5605, 23.9313, 36.8460

# 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.



14.3012, 16.8030, 36.9620



20.3501, 16.8030, 9.9553



11.2749, 16.8030, 21.4129

# Square

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



20.3501, 16.8030, 9.9553



12.7041, 16.8030, 9.0095



12.2696, 16.8030, 30.3363



19.7542, 16.8030, 32.4374



# Rectangle

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



20.3501, 16.8030, 9.9553



15.8664, 16.8030, 6.8536



12.2696, 16.8030, 30.3363



16.0755, 16.8030, 38.2905

# Sweetspot

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



20.3505, 16.8038, 9.9556



51.5737, 51.2568, 49.1554



22.4890, 15.3783, 28.2488



11.0796, 10.9192, 10.2710



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.



20.3505, 16.8038, 9.9556



33.8173, 25.8887, 11.9620



24.8289, 25.7607, 11.4484



6.7431, 6.8661, 6.9556



11.7762, 6.7880, 0.6895



0.2377, 0.1756, 0.0214



# Inverse Universe

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



19.5605, 23.9313, 36.8460



32.1741, 40.2543, 66.4606



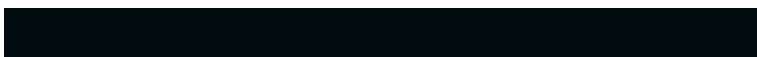
14.7597, 14.3297, 35.2457



6.7006, 7.2670, 8.4562



10.7440, 13.5796, 27.9621



0.2199, 0.2985, 0.5092



# Previews

## White Background



This preview shows how the XYZ color 20.3501, 16.8030, 9.9553 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 20.3501, 16.8030, 9.9553 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

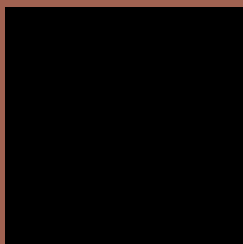
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 20.3501, 16.8030, 9.9553**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.3501, 16.8030, 9.9553.



This preview shows how white text looks on a background with the XYZ color 20.3501, 16.8030,



# 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

20.3501, 16.8030, 9.9553

### Protanopia

15.8048, 16.8768, 11.6571

### Deuteranopia

17.1964, 16.8202, 9.7374



## Tritanopia

21.3908, 16.8251, 14.6905

# Trichromacy



## Original Color

20.3501, 16.8030, 9.9553

## Protanomaly

17.1556, 16.6152, 10.8972

## Deuteranomaly

18.1766, 16.7021, 9.8552

## Tritanomaly

20.9012, 16.7510, 12.7213

# Monochromacy



## Original Color

20.3501, 16.8030, 9.9553

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

17.2769, 16.7418, 15.1529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.3501, 16.8030, 9.9553 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(160, 98, 81)` looks like.

```
.text, #text, p{  
    color:rgb(160, 98, 81)  
}
```

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(160, 98, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 98, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 20.3501, 16.8030, 9.9553 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(160, 98, 81) }
```



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

```
.border{ border-color:rgb(160, 98, 81) }
```

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

Here you see how a box with a 4 pixel rgb(160, 98, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 98, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 98, 81);  
box-shadow:4px 4px 4px 4px rgb(160, 98,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.3501, 16.8030, 9.9553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 98, 81) }
```

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

```
.background{ background-color: rgb(160, 98,  
81) }
```

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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