

# Converting Colors

XYZ(20.1881, 15.9613, 15.7474)

Have a look what the booklet for  
XYZ(20.1881, 15.9613, 15.7474)  
contains.

<b>XYZ(20.2262, 15.9372, 15.6458)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(20.2262, 15.9372,  
15.6458)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C5D6A
RGB	156, 93, 106
RGB Percent	61%, 36%, 42%
CMY	0.3882, 0.6353, 0.5843
CMYK	0.00, 0.40, 0.32, 0.39
HSL	348°, 25%, 49%
HSV	348°, 40%, 61%
XYZ	20.2262, 15.9372, 15.6458
YIQ	113.3190, 33.3750, 17.3990

# Conversions

## Conversions Part 2

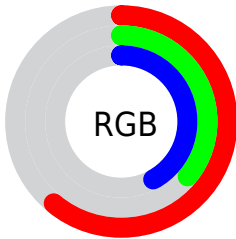
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 93, 106
Decimal	10247530
CIE <sub>Lab</sub>	46.89, 27.43, 3.68
CIE <sub>LCh</sub>	47, 27.672, 7.641
Yxy	15.9372, 0.3904, 0.3076
Android (android.graphics.Color)	4288437610 (0xFF9C5D6A)
YUV	113.3190, -3.6083, 37.4312
Hunter-Lab	39.9214, 20.5746, 4.7084

# Details

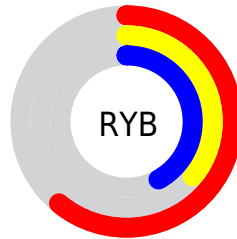
The XYZ color **20.2262, 15.9372, 15.6458** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.3614, 28.0877, 30.2837**, and the grayscale version is **15.7946, 16.6172, 18.0961**.

A 20% lighter version of the original color is **43.2104, 36.3779, 36.6425**, and **7.3213, 5.0761, 4.7316** is the 20% darker color. If you saturate the color by 10%, you get **18.3959, 13.2337, 12.0850**, and if you desaturate by 10%, it is **22.4297, 19.2380, 19.7900**.

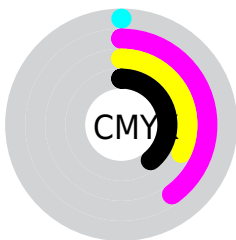
# Distribution



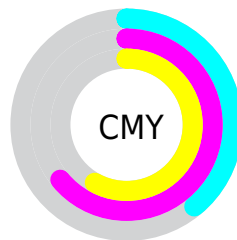
- Red (61%)
- Green (36%)
- Blue (42%)



- Red (61%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (40%)
- Yellow (32%)
- Black (39%)



- Cyan (39%)
- Magenta (64%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2262, 15.9372, 15.6458 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 20.2262, 15.9372, 15.6458 by changing the saturation by 10% instead.



■ 20.2262, 15.9372,  
15.6458

■ 20.2262, 15.9372,  
15.6458

245.9473,  
228.9709, 239.0164

■ 12.6688, 9.4797,  
9.1222

■ 43.2972, 36.4891,  
36.7404

■ 7.2763, 5.0554,  
4.7231

■ 59.5414, 51.3524,  
52.1485

■ 3.6834, 2.2798,  
2.0298

■ 79.4120, 69.7864,  
71.3552

■ 1.5246, 0.7630,  
0.5735

■ 103.2743, 92.1755,  
94.7790

■ 0.3425, 0.0000,  
0.0000

131.4936,  
118.9041, 122.8385

■ 0.0000, 0.0000,  
0.0000

164.4353,

150.3566, 155.9522

202.4648,  
186.9174, 194.5387

■ 20.2262, 15.9372,  
15.6458

■ 20.2262, 15.9372,  
15.6458

■ 18.3959, 13.2337,  
12.0850

■ 22.4297, 19.2380,  
19.7900

■ 16.9165, 11.0896,  
9.0802

■ 25.0244, 23.1668,  
24.5416

■ 15.7651, 9.4658,  
6.6029


■ 28.0288, 27.7545,  
29.9243


■ 14.9156, 8.3176,  
4.6218


■ 31.4599, 33.0297,  
35.9602

■ 14.3376, 7.5923,  
3.1018


■ 35.3335, 39.0191,  
42.6704

 13.9736, 7.1733,  
2.0277

 39.6647, 45.7480,  
50.0750

 44.4680, 53.2406,  
58.1932

 49.7570, 61.5197,  
67.0436

 55.5450, 70.6074,  
76.6440

# Harmonies

## Analogous

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



19.8555, 15.9372, 22.9132



20.2262, 15.9372, 15.6458



19.1259, 15.9372, 10.4384

# Triad

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



20.2262, 15.9372, 15.6458



12.4879, 15.9372, 8.8157



13.4508, 15.9372, 32.7668

# Complementary

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



20.2262, 15.9372, 15.6458



21.3614, 28.0877, 30.2837

# 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.



11.7635, 15.9372, 26.7962



20.2262, 15.9372, 15.6458



11.2501, 15.9372, 12.7738

# Square

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



20.2262, 15.9372, 15.6458



14.5394, 15.9372, 7.2354



10.9997, 15.9372, 19.1799



15.7730, 15.9372, 34.1310



# Rectangle

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



20.2262, 15.9372, 15.6458



17.7687, 15.9372, 8.3762



10.9997, 15.9372, 19.1799



12.7982, 15.9372, 31.1677

# Sweetspot

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



20.2266, 15.9380, 15.6461



49.8380, 48.7711, 52.4485



21.1312, 16.0116, 33.4295



10.8202, 10.5079, 11.2801



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.



20.2266, 15.9380, 15.6461



33.8482, 24.6756, 22.8130



21.3548, 19.1952, 12.9364



6.6863, 6.6674, 7.1990



11.5206, 5.9128, 1.7266



0.2192, 0.1110, 0.1005



# Inverse Universe

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



20.2266, 15.9380, 15.6461



33.8482, 24.6756, 22.8130



19.6256, 22.9481, 34.8477



6.6863, 6.6674, 7.1990



11.5206, 5.9128, 1.7266

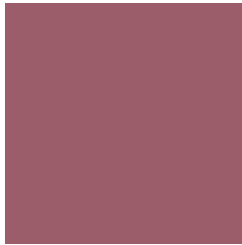


0.2192, 0.1110, 0.1005



# Previews

## White Background



This preview shows how the XYZ color 20.2262, 15.9372, 15.6458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

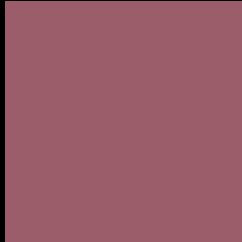
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 20.2262, 15.9372, 15.6458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

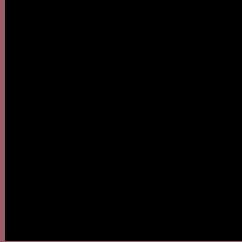
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 20.2262, 15.9372, 15.6458**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.2262, 15.9372, 15.6458.



This preview shows how white text looks on a background with the XYZ color 20.2262, 15.9372,

15.6458.

# 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

20.2262, 15.9372, 15.6458

### Protanopia

15.5189, 16.0746, 18.8078

### Deuteranopia

16.2682, 16.0644, 15.0753



## Tritanopia

20.0620, 16.0129, 14.3453

# Trichromacy



## Original Color

20.2262, 15.9372, 15.6458

## Protanomaly

16.7770, 15.6597, 17.4676

## Deuteranomaly

17.5023, 15.9342, 15.2498

## Tritanomaly

20.1612, 16.0526, 14.8678

# Monochromacy



## Original Color

20.2262, 15.9372, 15.6458

## Achromatopsia

15.6958, 16.5132, 17.9829

## Achromatomaly

17.0218, 16.1010, 16.9625

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.2262, 15.9372, 15.6458 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(156, 93, 106)` looks like.

```
.text, #text, p{  
    color:rgb(156, 93, 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(156, 93, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 93, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 20.2262, 15.9372, 15.6458 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(156, 93, 106) }
```



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

```
.border{ border-color:rgb(156, 93, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 93, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 93, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 93, 106); box-shadow:4px 4px 4px 4px rgb(156, 93, 106) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.2262, 15.9372, 15.6458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 93, 106) }
```

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

```
.background{ background-color: rgb(156, 93,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor