

# Converting Colors

XYZ(22.8241, 18.6889, 21.7595)

Have a look what the booklet for  
XYZ(22.8241, 18.6889, 21.7595)  
contains.

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# Color

**XYZ(22.7525, 18.6504,  
21.8027)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E687D
RGB	158, 104, 125
RGB Percent	62%, 41%, 49%
CMY	0.3804, 0.5921, 0.5098
CMYK	0.00, 0.34, 0.21, 0.38
HSL	337°, 22%, 51%
HSV	337°, 34%, 62%
XYZ	22.7525, 18.6504, 21.8027
YIQ	122.5400, 25.4430, 17.9790

# Conversions

## Conversions Part 2

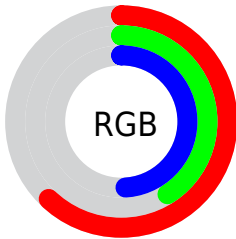
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 104, 125
Decimal	10381437
CIE Lab	50.28, 24.79, -2.74
CIE LCh	50, 24.936, 353.694
Yxy	18.6504, 0.3600, 0.2951
Android (android.graphics.Color)	4288571517 (0xFF9E687D)
YUV	122.5400, 1.2128, 31.0984
Hunter-Lab	43.1861, 18.4666, 0.2975

# Details

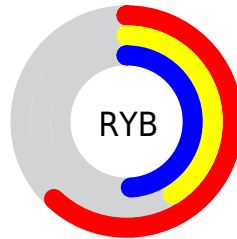
The XYZ color **22.7525, 18.6504, 21.8027** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4519, 29.2033, 28.1218**, and the grayscale version is **18.6662, 19.6383, 21.3861**.

A 20% lighter version of the original color is **47.6559, 41.2874, 47.5770**, and **8.5444, 6.3534, 7.6135** is the 20% darker color. If you saturate the color by 10%, you get **20.7215, 15.5279, 18.2288**, and if you desaturate by 10%, it is **25.1426, 22.3946, 25.7926**.

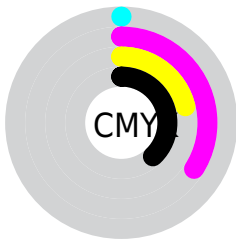
# Distribution



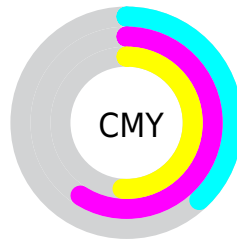
- Red (62%)
- Green (41%)
- Blue (49%)



- Red (62%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (34%)
- Yellow (21%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7525, 18.6504, 21.8027 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 22.7525, 18.6504, 21.8027 by changing the saturation by 10% instead.



■ 22.7525, 18.6504,  
21.8027

■ 22.7525, 18.6504,  
21.8027

259.0104,  
244.5119, 274.4340

■ 14.5305, 11.4179,  
13.5151

■ 47.4563, 41.1425,  
47.3177

■ 8.5747, 6.3487,  
7.6493

■ 64.6688, 57.1710,  
65.3821

■ 4.5197, 3.0582,  
3.7868

■ 85.6089, 76.9002,  
87.5426

■ 2.0002, 1.1622,  
1.5091

■ 110.6419,  
100.7146, 114.2176

■ 0.6341, 0.0305,  
0.2247

140.1332,  
128.9986, 145.8257

■ 0.0000, 0.0000,  
0.0000

174.4482,

162.1365, 182.7854

213.9521,  
200.5128, 225.5154

■ 22.7525, 18.6504,  
21.8027

■ 22.7525, 18.6504,  
21.8027

■ 20.7215, 15.5279,  
18.2288

■ 25.1426, 22.3946,  
25.7926

■ 19.0295, 12.9904,  
15.0553

■ 27.9071, 26.7894,  
30.2111

■ 17.6570, 11.0015,  
12.2670


■ 31.0625, 31.8647,  
35.0717


■ 16.5817, 9.5194,  
9.8472

■ 34.6238, 37.6483,  
40.3867


■ 15.7780, 8.4964,  
7.7778


■ 38.6050, 44.1659,  
46.1682


 15.2155, 7.8749,  
6.0383

 43.0197, 51.4423,  
52.4276

 14.9548, 7.6108,  
5.1579

 47.8807, 59.5009,  
59.1760

 53.2003, 68.3642,  
66.4240

 58.9904, 78.0538,  
74.1820

# Harmonies

## Analogous

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



21.7368, 18.6504, 29.2397



22.7525, 18.6504, 21.8027



22.3262, 18.6504, 15.4195

# Triad

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



22.7525, 18.6504, 21.8027



15.9259, 18.6504, 10.4039



15.1177, 18.6504, 33.0152

# Complementary

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



22.7525, 18.6504, 21.8027



22.4519, 29.2033, 28.1218

# 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.



13.8066, 18.6504, 26.1317



22.7525, 18.6504, 21.8027



14.2428, 18.6504, 13.4087

# Square

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



22.7525, 18.6504, 21.8027



18.2414, 18.6504, 9.7520



13.5014, 18.6504, 18.8815



17.2216, 18.6504, 36.5946



# Rectangle

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



22.7525, 18.6504, 21.8027



21.2993, 18.6504, 12.4381



13.5014, 18.6504, 18.8815



14.5776, 18.6504, 30.9450

# Sweetspot

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



22.7530, 18.6513, 21.8031



52.8727, 52.1660, 58.2782



21.3410, 17.6380, 34.6275



11.7527, 11.4919, 12.8793



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.



22.7530, 18.6513, 21.8031



38.4486, 29.4461, 34.5772



22.1113, 19.2923, 15.6562



6.7345, 6.6867, 7.4530



11.9954, 6.1027, 4.2269



0.2345, 0.1171, 0.1811



# Inverse Universe

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



22.7530, 18.6513, 21.8031



38.4486, 29.4461, 34.5772



23.2069, 28.0639, 36.5416



6.7345, 6.6867, 7.4530



11.9954, 6.1027, 4.2269

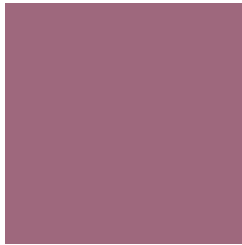


0.2345, 0.1171, 0.1811



# Previews

## White Background



This preview shows how the XYZ color 22.7525, 18.6504, 21.8027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

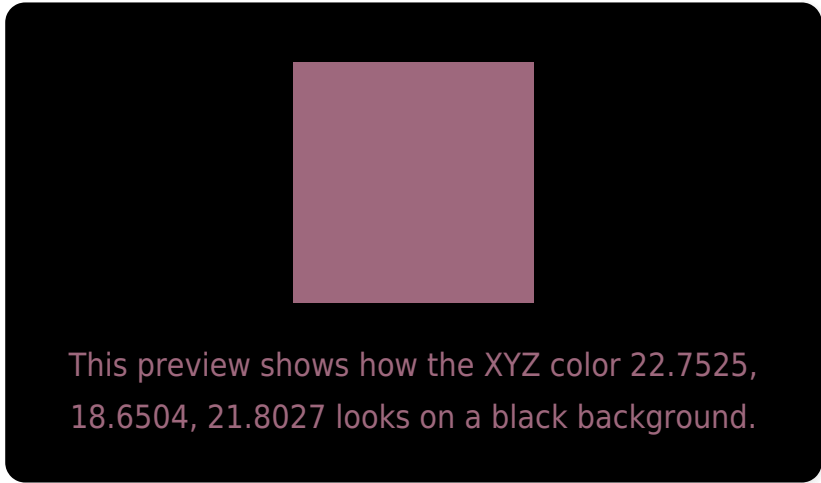
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



## 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 22.7525, 18.6504, 21.8027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.7525, 18.6504, 21.8027.



This preview shows how white text looks on a background with the XYZ color 22.7525, 18.6504,



# 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

22.7525, 18.6504, 21.8027

### Protanopia

18.3711, 18.7664, 25.2083

### Deuteranopia

19.0265, 18.6667, 21.3391



## Tritanopia

22.0959, 18.6911, 18.3627

# Trichromacy



## Original Color

22.7525, 18.6504, 21.8027

## Protanomaly

19.7869, 18.6599, 24.0316

## Deuteranomaly

20.2475, 18.6190, 21.5955

## Tritanomaly

22.2262, 18.5793, 19.5542

# Monochromacy



## Original Color

22.7525, 18.6504, 21.8027

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.0368, 19.1803, 21.7149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.7525, 18.6504, 21.8027 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(158, 104, 125)` looks like.

```
.text, #text, p{  
    color:rgb(158, 104, 125)  
}
```

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(158, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 104, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 22.7525, 18.6504, 21.8027 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(158, 104, 125) }
```



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

```
.border{ border-color:rgb(158, 104, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(158, 104,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.7525, 18.6504, 21.8027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 104, 125) }
```

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

```
.background{ background-color: rgb(158,  
104, 125) }
```

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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