

# Converting Colors

XYZ(20.9251, 17.9484, 17.6907)

Have a look what the booklet for  
XYZ(20.9251, 17.9484, 17.6907)  
contains.

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# Color

**XYZ(20.9251, 17.9484,  
17.6907)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	986970
RGB	152, 105, 112
RGB Percent	60%, 41%, 44%
CMY	0.4039, 0.5882, 0.5608
CMYK	0.00, 0.31, 0.26, 0.40
HSL	351°, 19%, 50%
HSV	351°, 31%, 60%
XYZ	20.9251, 17.9484, 17.6907
YIQ	119.8510, 25.7650, 12.1410

# Conversions

## Conversions Part 2

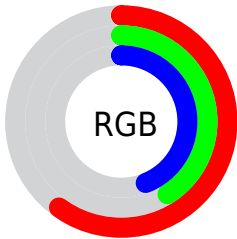
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 105, 112
Decimal	9988464
CIE <sub>Lab</sub>	49.43, 19.87, 3.68
CIE <sub>LCh</sub>	49, 20.209, 10.500
Yxy	17.9484, 0.3699, 0.3173
Android (android.graphics.Color)	4288178544 (0xFF986970)
YUV	119.8510, -3.8705, 28.1947
Hunter-Lab	42.3656, 14.0246, 4.8980

# Details

The XYZ color **20.9251, 17.9484, 17.6907** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.1656, 27.5045, 30.9302**, and the grayscale version is **17.8116, 18.7392, 20.4070**.

A 20% lighter version of the original color is **44.4899, 40.0597, 40.5094**, and **7.6441, 6.0057, 5.6068** is the 20% darker color. If you saturate the color by 10%, you get **18.8438, 14.8568, 13.6948**, and if you desaturate by 10%, it is **23.3877, 21.6366, 22.3248**.

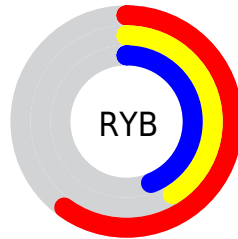
# Distribution



Red (60%)

Green (41%)

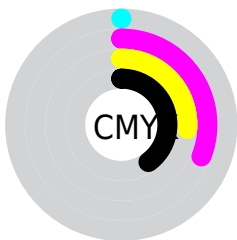
Blue (44%)



Red (60%)

Yellow (41%)

Blue (44%)

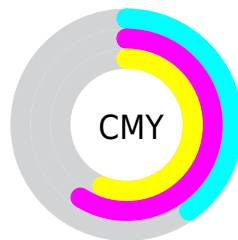


Cyan (0%)

Magenta (31%)

Yellow (26%)

Black (40%)



Cyan (40%)

Magenta (59%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9251, 17.9484, 17.6907 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 20.9251, 17.9484, 17.6907 by changing the saturation by 10% instead.





 20.9251, 17.9484,  
17.6907


 20.9251, 17.9484,  
17.6907


249.6194,  
240.5800, 251.2991


 13.1814, 10.9129,  
10.5610


 44.4551, 39.9494,  
40.3164

 7.6314, 6.0083,  
5.6620

 60.9720, 55.6837,  
56.6494

 3.9098, 2.8501,  
2.5753

 81.1442, 75.0864,  
76.8874

 1.6513, 1.0540,  
0.8796

 105.3368, 98.5420,  
101.4487

 0.4255, 0.0000,  
0.0000

133.9153,  
126.4347, 130.7521

 0.0000, 0.0000,  
0.0000

167.2450,

159.1490, 165.2159

205.6912,  
197.0693, 205.2587

■ 20.9251, 17.9484,  
17.6907

■ 20.9251, 17.9484,  
17.6907

■ 18.8438, 14.8568,  
13.6948

■ 23.3877, 21.6366,  
22.3248

■ 17.1231, 12.3279,  
10.3079

■ 26.2478, 25.9477,  
27.6223

■ 15.7426, 10.3286,  
7.5002


■ 29.5226, 30.9097,  
33.6083


■ 14.6795, 8.8209,  
5.2389


■ 33.2278, 36.5479,  
40.3064


■ 13.9079, 7.7621,  
3.4880


■ 37.3782, 42.8867,  
47.7390


 13.3976, 7.1019,  
2.2068

 41.9881, 49.9487,  
55.9276

 13.0999, 6.7358,  
1.4010

 47.0709, 57.7559,  
64.8926

 52.6397, 66.3292,  
74.6540

 58.7068, 75.6888,  
85.2306

# Harmonies

## Analogous

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



20.7549, 17.9484, 23.2623



20.9251, 17.9484, 17.6907



20.0026, 17.9484, 13.4848

# Triad

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



20.9251, 17.9484, 17.6907



14.7869, 17.9484, 12.5952



15.8644, 17.9484, 31.2084

# Complementary

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



20.9251, 17.9484, 17.6907



22.1656, 27.5045, 30.9302

# 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.



14.4201, 17.9484, 27.1877



20.9251, 17.9484, 17.6907



13.8309, 17.9484, 16.2424

# Square

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



20.9251, 17.9484, 17.6907



16.3998, 17.9484, 10.9284



13.7018, 17.9484, 21.5198



17.7364, 17.9484, 31.7948



# Rectangle

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



20.9251, 17.9484, 17.6907



18.9297, 17.9484, 11.7531



13.7018, 17.9484, 21.5198



15.3166, 17.9484, 30.1826

# Sweetspot

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



20.9256, 17.9492, 17.6911



47.2841, 47.2431, 50.5094



22.3879, 18.3862, 32.0748



10.5781, 10.4822, 11.1697



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.9256, 17.9492, 17.6911



34.3655, 27.8588, 26.3096



22.3915, 21.4805, 16.3316



6.2444, 6.2369, 6.6672



10.9916, 5.6509, 1.2151



0.1727, 0.0878, 0.0624



# Inverse Universe

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



20.9256, 17.9492, 17.6911



34.3655, 27.8588, 26.3096



20.2348, 22.7528, 33.0311



6.2444, 6.2369, 6.6672



10.9916, 5.6509, 1.2151

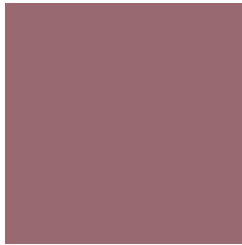


0.1727, 0.0878, 0.0624



# Previews

## White Background



This preview shows how the XYZ color 20.9251, 17.9484, 17.6907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

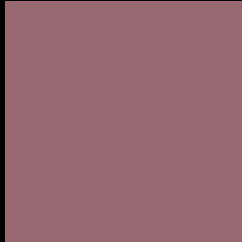
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 20.9251, 17.9484, 17.6907 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 20.9251, 17.9484, 17.6907**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.9251, 17.9484, 17.6907.



This preview shows how white text looks on a background with the XYZ color 20.9251, 17.9484,



# 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

20.9251, 17.9484, 17.6907

### Protanopia

17.4368, 18.0476, 20.0173

### Deuteranopia

18.3475, 18.0660, 17.2719



## Tritanopia

20.9811, 17.9708, 17.9857

# Trichromacy



## Original Color

20.9251, 17.9484, 17.6907

## Protanomaly

18.5732, 17.9767, 19.0139

## Deuteranomaly

19.2011, 18.0055, 17.5023

## Tritanomaly

20.9811, 17.9708, 17.9857

# Monochromacy



## Original Color

20.9251, 17.9484, 17.6907

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

18.8573, 18.4514, 19.3972

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.9251, 17.9484, 17.6907 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(152, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(152, 105, 112)  
}
```

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(152, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 105, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 20.9251, 17.9484, 17.6907 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(152, 105, 112) }
```



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

```
.border{ border-color:rgb(152, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(152, 105,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.9251, 17.9484, 17.6907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 105, 112) }
```

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

```
.background{ background-color: rgb(152,  
105, 112) }
```

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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