

# Converting Colors

XYZ(20.5654, 17.5516, 17.0275)

Have a look what the booklet for  
XYZ(20.5654, 17.5516, 17.0275)  
contains.

**XYZ(20.7137, 17.7018, 17.0769) ..... 3**

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# Color

**XYZ(20.7137, 17.7018,  
17.0769)**

# Conversions

Conversions Part 1	
Format	Color
Hex	98686E
RGB	152, 104, 110
RGB Percent	60%, 41%, 43%
CMY	0.4039, 0.5921, 0.5686
CMYK	0.00, 0.32, 0.28, 0.40
HSL	353°, 19%, 50%
HSV	353°, 32%, 60%
XYZ	20.7137, 17.7018, 17.0769
YIQ	119.0360, 26.6820, 12.0420

# Conversions

## Conversions Part 2

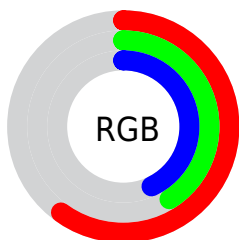
Format	Color
<a href="#">RYB</a>	<a href="#">152, 104, 110</a>
Decimal	<a href="#">9988206</a>
CIELab	<a href="#">49.13, 20.15, 4.44</a>
CIELCh	<a href="#">49, 20.632, 12.429</a>
Yxy	<a href="#">17.7018, 0.3733, 0.3190</a>
Android (android.graphics.Color)	<a href="#">4288178286</a> (0xFF98686E)
YUV	<a href="#">119.0360, -4.4547, 28.9094</a>
Hunter-Lab	<a href="#">42.0735, 14.2508, 5.3867</a>

# Details

The XYZ color **20.7137, 17.7018, 17.0769** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.1262, 27.4753, 31.3326**, and the grayscale version is **17.5541, 18.4683, 20.1120**.

A 20% lighter version of the original color is **44.0536, 39.6155, 39.0429**, and **7.5669, 5.8966, 5.4420** is the 20% darker color. If you saturate the color by 10%, you get **18.6487, 14.6451, 13.0799**, and if you desaturate by 10%, it is **23.1642, 21.3553, 21.7391**.

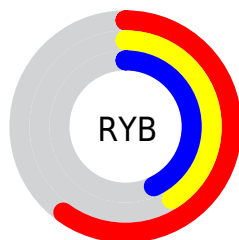
# Distribution



Red (60%)

Green (41%)

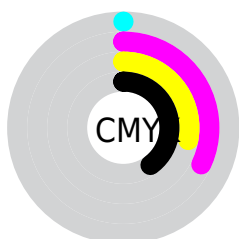
Blue (43%)



Red (60%)

Yellow (41%)

Blue (43%)

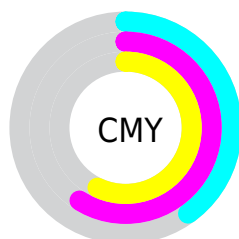


Cyan (0%)

Magenta (32%)

Yellow (28%)

Black (40%)



Cyan (40%)

Magenta (59%)

Yellow (57%)


# Brightness & Saturation


## Gradients

These gradients show how the XYZ color 20.7137, 17.7018, 17.0769 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 20.7137, 17.7018, 17.0769 by changing the saturation by 10% instead.





 20.7137, 17.7018,  
17.0769


 20.7137, 17.7018,  
17.0769


248.5136,  
239.1848, 247.6741

 13.0262, 10.7361,  
10.1268


 44.1054, 39.5285,  
39.2504


 7.5237, 5.8897,  
5.3764


 60.5403, 55.1584,  
55.3109

 3.8409, 2.7781,  
2.4072

 80.6217, 74.4451,  
75.2453

 1.6125, 1.0170,  
0.7904

 104.7150, 97.7730,  
99.4720

 0.4006, 0.0000,  
0.0000


133.1855,  
125.5265, 128.4098


 0.0000, 0.0000,  
0.0000


166.3985,


158.0901, 162.4770

204.7194,  
195.8480, 202.0922


 20.7137, 17.7018,  
17.0769


 20.7137, 17.7018,  
17.0769


 18.6487, 14.6451,  
13.0799


 23.1642, 21.3553,  
21.7391


 16.9482, 12.1510,  
9.7167


 26.0169, 25.6322,  
27.0940


 15.5911, 10.1859,  
6.9549


 29.2895, 30.5608,  
33.1685


 14.5537, 8.7114,  
4.7588

 32.9979, 36.1667,  
39.9880


 13.8095, 7.6842,  
3.0889


 37.1576, 42.4742,  
47.5767


 13.3273, 7.0530,  
1.9004

 41.7829, 49.5064,  
55.9576

 13.0664, 6.7224,  
1.2246

 46.8877, 57.2853,  
65.1526

 52.4853, 65.8321,  
75.1830

 58.5884, 75.1670,  
86.0692

# Harmonies

## Analogous

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



20.6149, 17.7018, 22.6624



20.7137, 17.7018, 17.0769



19.7142, 17.7018, 12.9585

# Triad

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



20.7137, 17.7018, 17.0769



14.4444, 17.7018, 12.4482



15.7299, 17.7018, 31.2796

# Complementary

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



20.7137, 17.7018, 17.0769



22.1262, 27.4753, 31.3326

# 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.



14.2329, 17.7018, 27.3669



20.7137, 17.7018, 17.0769



13.5306, 17.7018, 16.2418

# Square

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



20.7137, 17.7018, 17.0769



16.0392, 17.7018, 10.6498



13.4563, 17.7018, 21.6524



17.6361, 17.7018, 31.6215



# Rectangle

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



20.7137, 17.7018, 17.0769



18.6010, 17.7018, 11.3076



13.4563, 17.7018, 21.6524



15.1659, 17.7018, 30.3083

# Sweetspot

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



20.7142, 17.7026, 17.0773



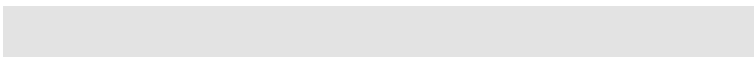
47.2407, 47.2258, 50.2806



22.4015, 18.2429, 32.0465



10.5669, 10.4777, 11.1110



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.



20.7142, 17.7026, 17.0773



33.8842, 27.2776, 24.9731



22.3587, 21.4967, 16.0685



6.2387, 6.2346, 6.6369



10.9627, 5.6393, 1.0627



0.1710, 0.0872, 0.0536



# Inverse Universe

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



20.7142, 17.7026, 17.0773



33.8842, 27.2776, 24.9731



19.9576, 22.3717, 32.9722



6.2387, 6.2346, 6.6369



10.9627, 5.6393, 1.0627

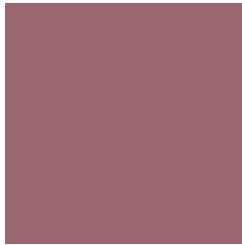


0.1710, 0.0872, 0.0536



# Previews

## White Background



This preview shows how the XYZ color 20.7137, 17.7018, 17.0769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

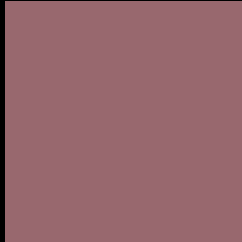
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 20.7137, 17.7018, 17.0769 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 20.7137, 17.7018, 17.0769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.7137, 17.7018, 17.0769.



This preview shows how white text looks on a background with the XYZ color 20.7137, 17.7018,



# 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

20.7137, 17.7018, 17.0769

### Protanopia

17.1799, 17.9289, 19.3848

### Deuteranopia

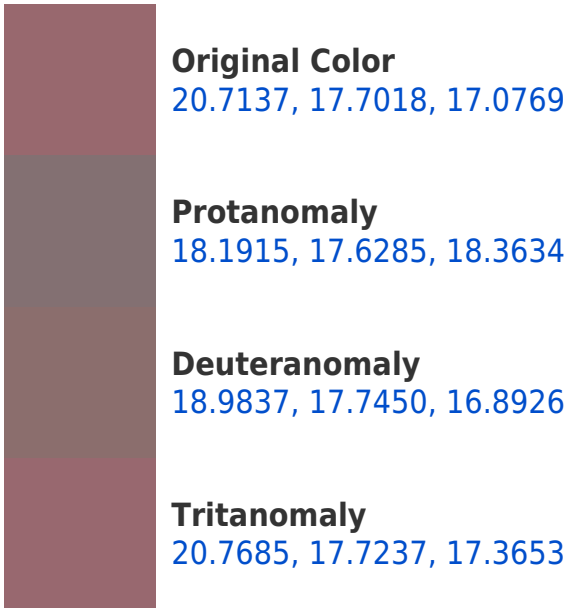
18.1276, 17.7985, 16.6674



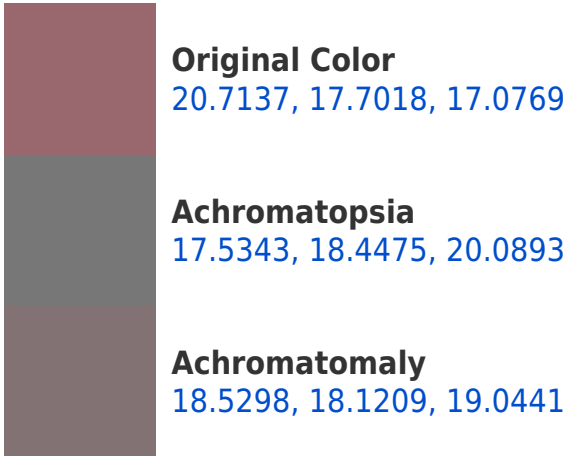
## Tritanopia

20.8238, 17.7459, 17.6570

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.7137, 17.7018, 17.0769 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, 104, 110) looks like.

```
.text, #text, p{  
    color:rgb(152, 104, 110)  
}
```

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, 104, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 104, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 20.7137, 17.7018, 17.0769 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, 104, 110) }
```



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

```
.border{ border-color:rgb(152, 104, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 104, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 104, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 104, 110);  
box-shadow:4px 4px 4px 4px rgb(152, 104,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.7137, 17.7018, 17.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 104, 110) }
```

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

```
.background{ background-color: rgb(152,  
104, 110) }
```

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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