

# Converting Colors

XYZ(22.3254, 21.7511, 23.7906)

Have a look what the booklet for  
XYZ(22.3254, 21.7511, 23.7906)  
contains.

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# Color

**XYZ(22.3254, 21.7511,  
23.7906)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E7C81
RGB	142, 124, 129
RGB Percent	56%, 49%, 51%
CMY	0.4431, 0.5137, 0.4941
CMYK	0.00, 0.13, 0.09, 0.44
HSL	343°, 7%, 52%
HSV	343°, 13%, 56%
XYZ	22.3254, 21.7511, 23.7906
YIQ	129.9520, 9.1230, 5.3710

# Conversions

## Conversions Part 2

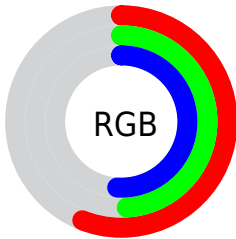
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 124, 129
Decimal	9337985
CIE Lab	53.76, 7.80, -0.18
CIE LCh	54, 7.805, 358.668
Yxy	21.7511, 0.3290, 0.3205
Android (android.graphics.Color)	4287528065 (0xFF8E7C81)
YUV	129.9520, -0.4693, 10.5661
Hunter-Lab	46.6381, 3.8304, 2.4022

# Details

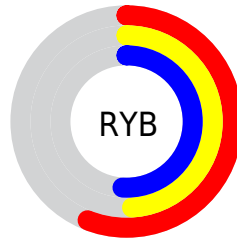
The XYZ color **22.3254, 21.7511, 23.7906** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.5014, 25.4377, 27.3921**, and the grayscale version is **21.2010, 22.3051, 24.2903**.

A 20% lighter version of the original color is **46.9306, 46.5574, 50.7689**, and **8.3777, 7.8867, 8.6701** is the 20% darker color. If you saturate the color by 10%, you get **20.0246, 18.1861, 19.8271**, and if you desaturate by 10%, it is **24.9522, 25.8579, 28.2010**.

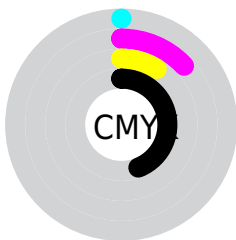
# Distribution



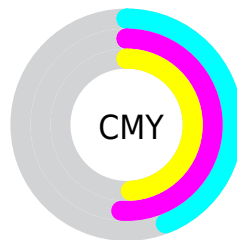
- Red (56%)
- Green (49%)
- Blue (51%)



- Red (56%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (13%)
- Yellow (9%)
- Black (44%)



- Cyan (44%)
- Magenta (51%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3254, 21.7511, 23.7906 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 22.3254, 21.7511, 23.7906 by changing the saturation by 10% instead.



■ 22.3254, 21.7511,  
23.7906

■ 22.3254, 21.7511,  
23.7906

256.8415,  
261.2437, 285.0125

■ 14.2141, 13.6741,  
14.9676

■ 46.7581, 46.3343,  
50.6278

■ 8.3524, 7.8944,  
8.6503

■ 63.8102, 63.6093,  
69.4791

■ 4.3750, 4.0274,  
4.4201

■ 84.5733, 84.7190,  
92.5102

■ 1.9164, 1.6889,  
1.8585

109.4128,  
110.0480, 120.1398

■ 0.5863, 0.4165,  
0.4661

138.6940,  
139.9806, 152.7862

■ 0.0000, 0.0000,  
0.0000

172.7823,

174.9011, 190.8681

212.0430,  
215.1940, 234.8040

■ 22.3254, 21.7511,  
23.7906

■ 22.3254, 21.7511,  
23.7906

■ 20.0246, 18.1861,  
19.8271

■ 24.9522, 25.8579,  
28.2010

■ 18.0349, 15.1375,  
16.2949

■ 27.9153, 30.5250,  
33.0705

■ 16.3434, 12.5820,  
13.1794

■ 31.2269, 35.7734,  
38.4124

■ 14.9350, 10.4935,  
10.4649

■ 34.8979, 41.6222,  
44.2392

■ 13.7936, 8.8433,  
8.1343

■ 38.9388, 48.0897,  
50.5630

■ 12.9014, 7.5998,  
6.1695

■ 43.3597, 55.1934,  
57.3952

■ 12.2382, 6.7267,  
4.5507

■ 48.1703, 62.9499,  
64.7470

■ 11.7803, 6.1815,  
3.2557

■ 53.3798, 71.3756,  
72.6292

■ 11.5288, 5.9002,  
2.4882

■ 58.9974, 80.4858,  
81.0523

# Harmonies

## Analogous

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



22.0796, 21.7511, 26.1626



22.3254, 21.7511, 23.7906



22.1188, 21.7511, 21.5395

# Triad

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



22.3254, 21.7511, 23.7906



19.9110, 21.7511, 19.8637



19.8479, 21.7511, 27.8439

# Complementary

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



22.3254, 21.7511, 23.7906



22.5014, 25.4377, 27.3921

# 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.



19.2931, 21.7511, 25.9647



22.3254, 21.7511, 23.7906



19.3289, 21.7511, 21.3657

# Square

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



22.3254, 21.7511, 23.7906



20.7112, 21.7511, 19.3663



19.1057, 21.7511, 23.5762



20.6364, 21.7511, 28.5983



# Rectangle

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



22.3254, 21.7511, 23.7906



21.7553, 21.7511, 20.3870



19.1057, 21.7511, 23.5762



19.6287, 21.7511, 27.3169

# Sweetspot

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



22.3260, 21.7521, 23.7911



43.3126, 44.5184, 48.5852



22.3910, 21.6793, 28.5957



9.6005, 9.8281, 10.7291



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021



# Same Dimension

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



22.3260, 21.7521, 23.7911



38.2444, 36.6079, 40.0338



22.5002, 22.6192, 22.2501



5.4666, 5.4472, 5.9551



10.3581, 5.3003, 2.2711



0.1074, 0.0540, 0.0658



# Inverse Universe

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



22.3260, 21.7521, 23.7911



38.2444, 36.6079, 40.0338



22.2982, 24.4443, 29.1343



5.4666, 5.4472, 5.9551



10.3581, 5.3003, 2.2711



0.1074, 0.0540, 0.0658



# Previews

## White Background



This preview shows how the XYZ color 22.3254, 21.7511, 23.7906 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



This preview shows how the XYZ color 22.3254, 21.7511, 23.7906 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

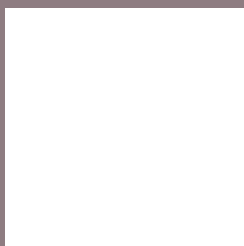
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 22.3254, 21.7511, 23.7906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.3254, 21.7511, 23.7906.



This preview shows how white text looks on a background with the XYZ color 22.3254, 21.7511,



# 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

22.3254, 21.7511, 23.7906

### Protanopia

21.0218, 21.8229, 24.5770

### Deuteranopia

22.1546, 21.6630, 23.7826



## Tritanopia

22.6443, 21.6990, 25.1851

# Trichromacy



## Original Color

22.3254, 21.7511, 23.7906

## Protanomaly

21.4502, 21.8588, 24.2077

## Deuteranomaly

22.1546, 21.6630, 23.7826

## Tritanomaly

22.5755, 21.6715, 24.8230

# Monochromacy



## Original Color

22.3254, 21.7511, 23.7906

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

21.5800, 22.1184, 24.2510

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.3254, 21.7511, 23.7906 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(142, 124, 129) looks like.

```
.text, #text, p{  
    color:rgb(142, 124, 129)  
}
```

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(142, 124, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 124, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 22.3254, 21.7511, 23.7906 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(142, 124, 129) }
```



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

```
.border{ border-color:rgb(142, 124, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 124, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 124, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 124, 129);  
box-shadow:4px 4px 4px 4px rgb(142, 124,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.3254, 21.7511, 23.7906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 124, 129) }
```

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

```
.background{ background-color: rgb(142,  
124, 129) }
```

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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