

# Converting Colors

XYZ(24.0472, 21.7645, 23.5337)

Have a look what the booklet for  
XYZ(24.0472, 21.7645, 23.5337)  
contains.

<b>XYZ(24.0768, 21.7472, 23.6975)</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(24.0768, 21.7472,  
23.6975)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B7781
RGB	155, 119, 129
RGB Percent	61%, 47%, 51%
CMY	0.3922, 0.5333, 0.4941
CMYK	0.00, 0.23, 0.17, 0.39
HSL	343°, 15%, 54%
HSV	343°, 23%, 61%
XYZ	24.0768, 21.7472, 23.6975
YIQ	130.9040, 18.2460, 10.7420

# Conversions

## Conversions Part 2

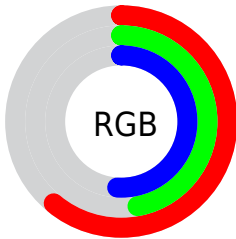
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 119, 129
Decimal	10188673
CIE Lab	53.76, 15.69, -0.03
CIE LCh	54, 15.686, 359.886
Yxy	21.7472, 0.3463, 0.3128
Android (android.graphics.Color)	4288378753 (0xFF9B7781)
YUV	130.9040, -0.9387, 21.1322
Hunter-Lab	46.6339, 10.5492, 2.5149

# Details

The XYZ color **24.0768, 21.7472, 23.6975** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4408, 29.4094, 31.1779**, and the grayscale version is **21.5383, 22.6600, 24.6767**.

A 20% lighter version of the original color is **49.5847, 46.2049, 50.5610**, and **9.2316, 7.8431, 8.6167** is the 20% darker color. If you saturate the color by 10%, you get **21.6766, 18.0730, 19.4249**, and if you desaturate by 10%, it is **26.8606, 26.0577, 28.5008**.

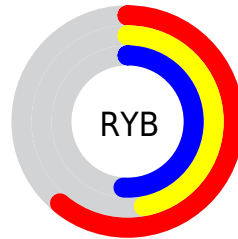
# Distribution



Red (61%)

Green (47%)

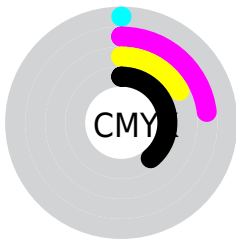
Blue (51%)



Red (61%)

Yellow (47%)

Blue (51%)

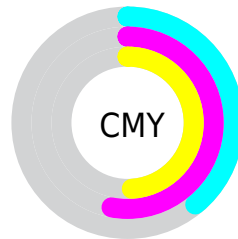


Cyan (0%)

Magenta (23%)

Yellow (17%)

Black (39%)



Cyan (39%)

Magenta (53%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0768, 21.7472, 23.6975 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 24.0768, 21.7472, 23.6975 by changing the saturation by 10% instead.



■ 24.0768, 21.7472,  
23.6975

■ 24.0768, 21.7472,  
23.6975

265.6418,  
261.2232, 284.5247

■ 15.5156, 13.6713,  
14.8993

■ 49.6093, 46.3278,  
50.4737

■ 9.2707, 7.8924,  
8.6029

■ 67.3113, 63.6013,  
69.2888

■ 4.9767, 4.0262,  
4.3898

■ 88.7910, 84.7094,  
92.2799

■ 2.2682, 1.6882,  
1.8415

114.4137,  
110.0365, 119.8656

■ 0.7783, 0.4160,  
0.4551

144.5447,  
139.9671, 152.4643

■ 0.0000, 0.0000,  
0.0000

179.5496,

174.8855, 190.4948

219.7935,  
215.1760, 234.3754

■ 24.0768, 21.7472,  
23.6975

■ 24.0768, 21.7472,  
23.6975

■ 21.6766, 18.0730,  
19.4249

■ 26.8606, 26.0577,  
28.5008

■ 19.6410, 15.0020,  
15.6631

■ 30.0424, 31.0297,  
33.8511

■ 17.9521, 12.5025,  
12.3926


■ 33.6377, 36.6906,  
39.7657


■ 16.5898, 10.5388,  
9.5924


■ 37.6611, 43.0655,  
46.2608


■ 15.5315, 9.0709,  
7.2397


■ 42.1260, 50.1781,  
53.3517


 14.7519, 8.0535,  
5.3097


 47.0457, 58.0510,  
61.0533

 14.2211, 7.4325,  
3.7748

 52.4324, 66.7060,  
69.3801

 13.9545, 7.1433,  
2.9333

 58.2983, 76.1638,  
78.3457

 63.5268, 84.1882,  
87.5876

# Harmonies

## Analogous

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



23.5966, 21.7472, 28.6383



24.0768, 21.7472, 23.6975



23.6037, 21.7472, 19.3561

# Triad

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



24.0768, 21.7472, 23.6975



19.0997, 21.7472, 16.5202



19.0891, 21.7472, 32.6316

# Complementary

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



24.0768, 21.7472, 23.6975



24.4408, 29.4094, 31.1779

# 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.



17.9902, 21.7472, 28.6019



24.0768, 21.7472, 23.6975



17.9961, 21.7472, 19.3281

# Square

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



24.0768, 21.7472, 23.6975



20.6765, 21.7472, 15.5699



17.6009, 21.7472, 23.6605



20.6636, 21.7472, 34.2048



# Rectangle

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



24.0768, 21.7472, 23.6975



22.8253, 21.7472, 17.2768



17.6009, 21.7472, 23.6605



18.6550, 21.7472, 31.4947

# Sweetspot

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



24.0774, 21.7482, 23.6980



51.4860, 51.9419, 56.7553



24.1558, 21.5629, 33.8993



11.5842, 11.6482, 12.7298



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.



24.0774, 21.7482, 23.6980



40.7481, 35.3072, 38.2511



24.4116, 23.4285, 20.6896



6.2758, 6.2495, 6.8325



11.2228, 5.7433, 2.4322



0.1817, 0.0914, 0.1098



# Inverse Universe

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



24.0774, 21.7482, 23.6980



40.7481, 35.3072, 38.2511



23.9897, 27.2188, 34.9998



6.2758, 6.2495, 6.8325



11.2228, 5.7433, 2.4322

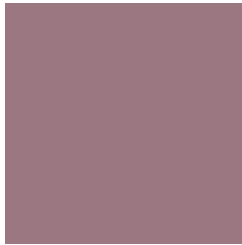


0.1817, 0.0914, 0.1098



# Previews

## White Background



This preview shows how the XYZ color 24.0768, 21.7472, 23.6975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

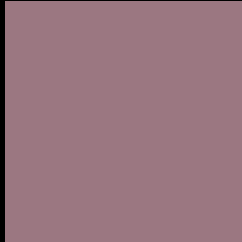
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 24.0768, 21.7472, 23.6975 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 24.0768, 21.7472, 23.6975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0768, 21.7472, 23.6975.



This preview shows how white text looks on a background with the XYZ color 24.0768, 21.7472,



# 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

24.0768, 21.7472, 23.6975

### Protanopia

21.0755, 21.8267, 25.6564

### Deuteranopia

22.2144, 21.8885, 23.4761



## Tritanopia

24.0107, 21.7207, 23.3491

# Trichromacy



## Original Color

24.0768, 21.7472, 23.6975

## Protanomaly

21.9797, 21.7364, 24.8669

## Deuteranomaly

22.8333, 21.8354, 23.4333

## Tritanomaly

24.0107, 21.7207, 23.3491

# Monochromacy



## Original Color

24.0768, 21.7472, 23.6975

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

22.4339, 22.3659, 24.2538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0768, 21.7472, 23.6975 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(155, 119, 129)` looks like.

```
.text, #text, p{  
    color:rgb(155, 119, 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(155, 119, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 119, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0768, 21.7472, 23.6975 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(155, 119, 129) }
```



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

```
.border{ border-color:rgb(155, 119, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 119, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 119, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 119, 129);  
box-shadow:4px 4px 4px 4px rgb(155, 119,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0768, 21.7472, 23.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 119, 129) }
```

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

```
.background{ background-color: rgb(155,  
119, 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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