

# Converting Colors

XYZ(30.6897, 30.0837, 22.2649)

Have a look what the booklet for  
XYZ(30.6897, 30.0837, 22.2649)  
contains.

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# Color

**XYZ(30.7292, 30.0241,  
22.2648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE8F79
RGB	174, 143, 121
RGB Percent	68%, 56%, 47%
CMY	0.3176, 0.4392, 0.5255
CMYK	0.00, 0.18, 0.30, 0.32
HSL	25°, 25%, 58%
HSV	25°, 30%, 68%
XYZ	30.7292, 30.0241, 22.2648
YIQ	149.7610, 25.5380, -0.2700

# Conversions

## Conversions Part 2

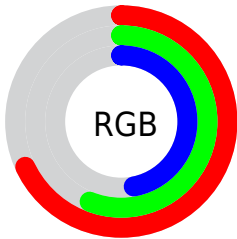
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 159, 121
Decimal	11439993
CIELab	61.68, 8.36, 16.09
CIELCh	62, 18.137, 62.543
Yxy	30.0241, 0.3702, 0.3617
Android (android.graphics.Color)	4289630073 (0xFFAE8F79)
YUV	149.7610, -14.1792, 21.2576
Hunter-Lab	54.7943, 4.2148, 14.2644

# Details

The XYZ color **30.7292, 30.0241, 22.2648** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **26.7530, 29.5764, 44.3432**, and the grayscale version is **28.9394, 30.4465, 33.1562**.

A 20% lighter version of the original color is **60.1422, 59.7726, 47.9026**, and **12.9692, 12.3615, 7.8334** is the 20% darker color. If you saturate the color by 10%, you get **28.2981, 26.7182, 16.6564**, and if you desaturate by 10%, it is **33.4930, 33.6870, 28.9343**.

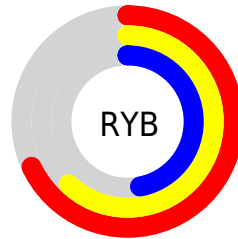
# Distribution



Red (68%)

Green (56%)

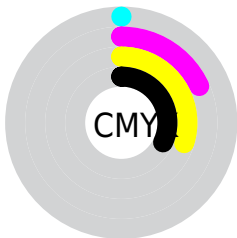
Blue (47%)



Red (68%)

Yellow (62%)

Blue (47%)

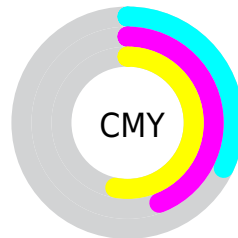


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (32%)



Cyan (32%)

Magenta (44%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7292, 30.0241, 22.2648 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 30.7292, 30.0241, 22.2648 by changing the saturation by 10% instead.



■ 30.7292, 30.0241,  
22.2648

■ 30.7292, 30.0241,  
22.2648

297.1380,  
302.0168, 276.9245

■ 20.5435, 19.8569,  
13.8514

■ 60.1922, 59.7003,  
48.0911

■ 12.9013, 12.2911,  
7.8798

■ 80.2003, 79.9780,  
66.3410

■ 7.4372, 6.9422,  
3.9315

■ 104.2132,  
104.3948, 88.7069

■ 3.7857, 3.4260,  
1.5878

132.5963,  
133.3349, 115.6073

■ 1.5816, 1.3580,  
0.2821

165.7150,  
167.1827, 147.4607

■ 0.3804, 0.1854,  
0.0000

203.9346,

■ 0.0000, 0.0000,

206.3227, 184.6857

0.0000

247.6205,  
251.1393, 227.7008

■ 30.7292, 30.0241,  
22.2648

■ 30.7292, 30.0241,  
22.2648

■ 28.2981, 26.7182,  
16.6564

■ 33.4930, 33.6870,  
28.9343

■ 26.1833, 23.7536,  
12.0516

■ 36.6001, 37.7135,  
36.7147

■ 24.3705, 21.1196,  
8.3900


■ 40.0638, 42.1155,  
45.6549


■ 22.8429, 18.8031,  
5.6040


■ 43.8958, 46.9029,  
55.8001


■ 21.5822, 16.7900,  
3.6168


■ 48.1071, 52.0852,  
67.1933


 20.5670, 15.0647,  
2.3379

 52.7084, 57.6716,  
79.8752

 19.7884, 13.6644,  
1.5945

 57.7099, 63.6710,  
93.8848

 62.2724, 69.7524,  
104.7892

 65.0965, 75.4005,  
105.7305

# Harmonies

## Analogous

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



32.6278, 30.0241, 26.0541



30.7292, 30.0241, 22.2648



28.3317, 30.0241, 21.1364

# Triad

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



30.7292, 30.0241, 22.2648



24.1501, 30.0241, 33.2841



31.1052, 30.0241, 45.2146

# Complementary

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



30.7292, 30.0241, 22.2648



26.7530, 29.5764, 44.3432

# 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.



28.7433, 30.0241, 47.8363



30.7292, 30.0241, 22.2648



24.8033, 30.0241, 40.3693

# Square

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



30.7292, 30.0241, 22.2648



24.6163, 30.0241, 26.9415



26.4516, 30.0241, 45.9502



32.8533, 30.0241, 39.2055



# Rectangle

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



30.7292, 30.0241, 22.2648



26.7957, 30.0241, 21.8944



26.4516, 30.0241, 45.9502



30.3522, 30.0241, 46.5567

# Sweetspot

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



30.7300, 30.0255, 22.2654



67.1688, 69.4077, 68.5840



30.0264, 24.9670, 33.2872



14.7381, 15.1820, 14.7572



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



30.7300, 30.0255, 22.2654



52.5078, 50.0827, 32.8775



35.0391, 38.6437, 23.7018



8.2682, 8.5412, 8.4262



14.4085, 10.0225, 1.1751



0.4556, 0.3884, 0.0510



# Inverse Universe

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



26.7530, 29.5764, 44.3432



44.0511, 49.1188, 79.7960



23.0247, 22.1199, 43.1004



7.9534, 8.5061, 10.1753



9.0301, 9.1940, 30.3432



0.3035, 0.3604, 0.8616



# Previews

## White Background



This preview shows how the XYZ color 30.7292, 30.0241, 22.2648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

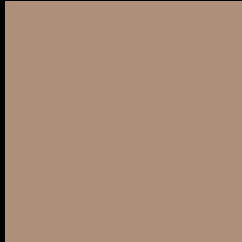
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7292, 30.0241, 22.2648 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 ✓ Pass

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

**XYZ 30.7292, 30.0241, 22.2648**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7292, 30.0241, 22.2648.



This preview shows how white text looks on a background with the XYZ color 30.7292, 30.0241,



# 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

30.7292, 30.0241, 22.2648

### Protanopia

28.4861, 30.2192, 23.4003

### Deuteranopia

30.5072, 29.9096, 22.2544



## Tritanopia

32.8691, 30.0144, 32.9151

# Trichromacy



## Original Color

30.7292, 30.0241, 22.2648

## Protanomaly

29.3187, 30.1900, 23.0209

## Deuteranomaly

30.5072, 29.9096, 22.2544

## Tritanomaly

31.9428, 29.8504, 28.5042

# Monochromacy



## Original Color

30.7292, 30.0241, 22.2648

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

29.3920, 30.1024, 28.6873

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7292, 30.0241, 22.2648 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(174, 143, 121)` looks like.

```
.text, #text, p{  
    color:rgb(174, 143, 121)  
}
```

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(174, 143, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 143, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7292, 30.0241, 22.2648 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(174, 143, 121) }
```



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

```
.border{ border-color:rgb(174, 143, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 143, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 143, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 143, 121);  
box-shadow:4px 4px 4px 4px rgb(174, 143,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7292, 30.0241, 22.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 143, 121) }
```

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

```
.background{ background-color: rgb(174,  
143, 121) }
```

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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