

# Converting Colors

XYZ(27.9606, 24.2996, 17.4171)

Have a look what the booklet for  
XYZ(27.9606, 24.2996, 17.4171)  
contains.

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# Color

**XYZ(27.9042, 24.2224,  
17.3920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2796C
RGB	178, 121, 108
RGB Percent	70%, 47%, 42%
CMY	0.3020, 0.5255, 0.5765
CMYK	0.00, 0.32, 0.39, 0.30
HSL	11°, 31%, 56%
HSV	11°, 39%, 70%
XYZ	27.9042, 24.2224, 17.3920
YIQ	136.5610, 38.1450, 8.0410

# Conversions

## Conversions Part 2

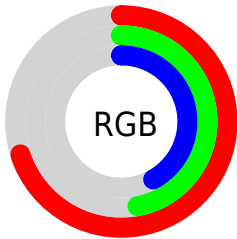
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 124, 108
Decimal	11696492
CIE <sub>Lab</sub>	56.31, 20.63, 16.16
CIE <sub>LCh</sub>	56, 26.206, 38.062
Yxy	24.2224, 0.4014, 0.3484
Android (android.graphics.Color)	4289886572 (0xFFB2796C)
YUV	136.5610, -14.0806, 36.3420
Hunter-Lab	49.2163, 15.0759, 13.4995

# Details

The XYZ color **27.9042, 24.2224, 17.3920** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.6747, 33.3114, 47.0905**, and the grayscale version is **23.6541, 24.8860, 27.1008**.

A 20% lighter version of the original color is **55.6550, 50.4375, 39.6030**, and **11.3280, 9.1826, 5.5902** is the 20% darker color. If you saturate the color by 10%, you get **25.4210, 20.6204, 12.3581**, and if you desaturate by 10%, it is **30.8467, 28.4334, 23.5338**.

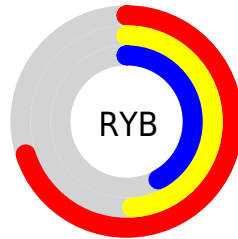
# Distribution



Red (70%)

Green (47%)

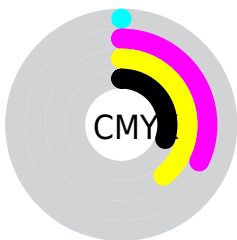
Blue (42%)



Red (70%)

Yellow (49%)

Blue (42%)

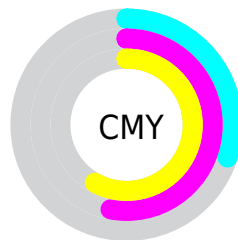


Cyan (0%)

Magenta (32%)

Yellow (39%)

Black (30%)



Cyan (30%)

Magenta (53%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9042, 24.2224, 17.3920 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 27.9042, 24.2224, 17.3920 by changing the saturation by 10% instead.





 27.9042, 24.2224,  
17.3920


 27.9042, 24.2224,  
17.3920


284.0973,  
273.9429, 249.5413


 18.3935, 15.4987,  
10.3495


 55.7412, 50.3929,  
39.7984


 11.3343, 9.1701,  
5.5227


 74.7982, 68.6084,  
55.9993

 6.3611, 4.8523,  
2.4930


 97.7680, 90.7567,  
76.0901

 3.1086, 2.1609,  
0.8365

 125.0161,  
117.2221, 100.4894

 1.2115, 0.6985,  
0.0000

156.9077,  
148.3891, 129.6156

 0.1154, 0.0000,  
0.0000

193.8082,

 0.0000, 0.0000,

184.6419, 163.8873

0.0000

236.0829,  
226.3651, 203.7230

■ 27.9042, 24.2224,  
17.3920

■ 27.9042, 24.2224,  
17.3920

■ 25.4210, 20.6204,  
12.3581

■ 30.8467, 28.4334,  
23.5338

■ 23.3716, 17.5955,  
8.3641

■ 34.2686, 33.2763,  
30.8427

■ 21.7309, 15.1185,  
5.3373


■ 38.1908, 38.7770,  
39.3757


■ 20.4701, 13.1558,  
3.1944


■ 42.6327, 44.9590,  
49.1854


■ 19.5567, 11.6702,  
1.8380

■ 47.6124, 51.8447,  
60.3214


 18.9400, 10.6142,  
1.0850

 53.1474, 59.4553,  
72.8307

 18.9058, 10.5564,  
1.0411

 59.2540, 67.8112,  
86.7580

 65.9482, 76.9321,  
102.1458

 71.0461, 85.9570,  
107.4546

# Harmonies

## Analogous

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



29.2643, 24.2224, 24.1096



27.9042, 24.2224, 17.3920



25.2611, 24.2224, 13.7595

# Triad

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



27.9042, 24.2224, 17.3920



18.0452, 24.2224, 20.6359



23.8468, 24.2224, 46.5056

# Complementary

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



27.9042, 24.2224, 17.3920



27.6747, 33.3114, 47.0905

# 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.



20.9206, 24.2224, 45.0044



27.9042, 24.2224, 17.3920



17.7383, 24.2224, 28.7760

# Square

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



27.9042, 24.2224, 17.3920



19.6248, 24.2224, 15.3272



18.7465, 24.2224, 38.0136



26.7916, 24.2224, 41.7551



# Rectangle

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



27.9042, 24.2224, 17.3920



23.2196, 24.2224, 12.9997



18.7465, 24.2224, 38.0136



22.8269, 24.2224, 46.7321

# Sweetspot

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



27.9048, 24.2236, 17.3925



67.1116, 67.3198, 66.7120



30.5294, 22.9130, 38.4905



14.6626, 14.6262, 14.3309



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



27.9048, 24.2236, 17.3925



46.7289, 38.3132, 23.6668



32.9274, 34.2688, 19.0667



8.6199, 8.7523, 8.8876



13.5622, 7.6230, 0.7566



0.4648, 0.3159, 0.0365



# Inverse Universe

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



27.6747, 33.3114, 47.0905



46.2298, 57.0206, 84.9507



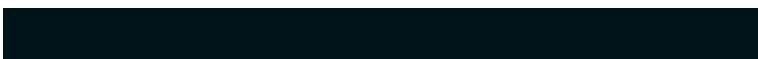
22.2252, 22.4123, 45.2740



8.6058, 9.3578, 10.8590



13.0299, 16.8602, 32.7046



0.4447, 0.6000, 1.0406



# Previews

## White Background



This preview shows how the XYZ color 27.9042, 24.2224, 17.3920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

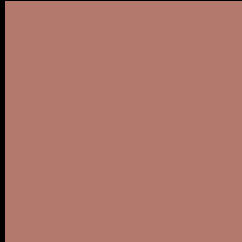
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.9042, 24.2224, 17.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

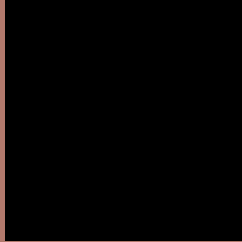
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.9042, 24.2224, 17.3920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.9042, 24.2224, 17.3920.



This preview shows how white text looks on a background with the XYZ color 27.9042, 24.2224,



# 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

27.9042, 24.2224, 17.3920

### Protanopia

22.9138, 24.3165, 19.7055

### Deuteranopia

24.6847, 24.2750, 17.0202



## Tritanopia

29.1316, 24.1925, 23.2129

# Trichromacy



## Original Color

27.9042, 24.2224, 17.3920

## Protanomaly

24.4248, 24.1037, 18.6944

## Deuteranomaly

25.7603, 24.2396, 17.2309

## Tritanomaly

28.5774, 24.1334, 20.9213

# Monochromacy



## Original Color

27.9042, 24.2224, 17.3920

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

24.8311, 24.4144, 23.1424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.9042, 24.2224, 17.3920 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(178, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(178, 121, 108)  
}
```

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(178, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 121, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 27.9042, 24.2224, 17.3920 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(178, 121, 108) }
```



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

```
.border{ border-color:rgb(178, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(178, 121,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.9042, 24.2224, 17.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 121, 108) }
```

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

```
.background{ background-color: rgb(178,  
121, 108) }
```

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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