

# Converting Colors

XYZ(28.1438, 24.6952, 18.6934)

Have a look what the booklet for  
XYZ(28.1438, 24.6952, 18.6934)  
contains.

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# Color

**XYZ(28.1391, 24.6829,  
18.6104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B17B70
RGB	177, 123, 112
RGB Percent	69%, 48%, 44%
CMY	0.3059, 0.5176, 0.5608
CMYK	0.00, 0.31, 0.37, 0.31
HSL	10°, 29%, 57%
HSV	10°, 37%, 69%
XYZ	28.1391, 24.6829, 18.6104
YIQ	137.8920, 35.7150, 8.0270

# Conversions

## Conversions Part 2

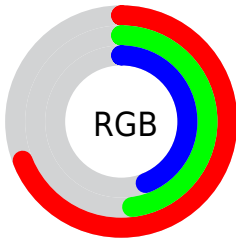
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 125, 112
Decimal	11631472
CIE <sub>Lab</sub>	56.77, 19.60, 14.46
CIE <sub>LCh</sub>	57, 24.359, 36.427
Yxy	24.6829, 0.3939, 0.3455
Android (android.graphics.Color)	4289821552 (0xFFB17B70)
YUV	137.8920, -12.7648, 34.2977
Hunter-Lab	49.6819, 14.1565, 12.5678

# Details

The XYZ color **28.1391, 24.6829, 18.6104** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.2536, 33.8903, 46.6475**, and the grayscale version is **24.1545, 25.4124, 27.6741**.

A 20% lighter version of the original color is **56.1579, 51.2234, 42.0492**, and **11.5426, 9.4787, 6.0717** is the 20% darker color. If you saturate the color by 10%, you get **25.5598, 20.9494, 13.3571**, and if you desaturate by 10%, it is **31.1874, 29.0442, 24.9763**.

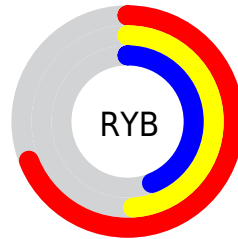
# Distribution



Red (69%)

Green (48%)

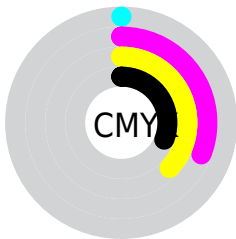
Blue (44%)



Red (69%)

Yellow (49%)

Blue (44%)

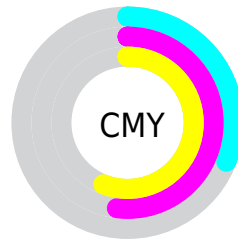


Cyan (0%)

Magenta (31%)

Yellow (37%)

Black (31%)



Cyan (31%)

Magenta (52%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1391, 24.6829, 18.6104 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 28.1391, 24.6829, 18.6104 by changing the saturation by 10% instead.





 28.1391, 24.6829,  
18.6104


 28.1391, 24.6829,  
18.6104


285.1990,  
276.2551, 256.6401


 18.5715, 15.8410,  
11.2151


 56.1135, 51.1423,  
41.9026


 11.4633, 9.4117,  
6.0957


 75.2511, 69.5286,  
58.6367

 6.4489, 5.0107,  
2.8337


 98.3094, 91.8651,  
79.3207

 3.1632, 2.2535,  
1.0103

 125.6538,  
118.5363, 104.3733

 1.2406, 0.7489,  
0.0000

157.6496,  
149.9264, 134.2130

 0.1381, 0.0000,  
0.0000

194.6621,

 0.0000, 0.0000,

186.4200, 169.2584

0.0000

237.0568,  
228.4014, 209.9279

■ 28.1391, 24.6829,  
18.6104

■ 28.1391, 24.6829,  
18.6104

■ 25.5598, 20.9494,  
13.3571

■ 31.1874, 29.0442,  
24.9763

■ 23.4240, 17.8113,  
9.1509

■ 34.7247, 34.0567,  
32.5124

■ 21.7067, 15.2385,  
5.9215


■ 38.7721, 39.7472,  
41.2740


■ 20.3794, 13.1969,  
3.5894


■ 43.3490, 46.1396,  
51.3123


■ 19.4100, 11.6486,  
2.0626


■ 48.4736, 53.2568,  
62.6759


 18.7580, 10.5492,  
1.2141

 54.1633, 61.1207,  
75.4105

 18.5949, 10.2739,  
1.0030

 60.4348, 69.7521,  
89.5598

 67.3040, 79.1712,  
105.1657

 71.9415, 88.0871,  
107.8185

# Harmonies

## Analogous

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



29.3222, 24.6829, 25.1611



28.1391, 24.6829, 18.6104



25.7150, 24.6829, 14.9292

# Triad

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



28.1391, 24.6829, 18.6104



18.7985, 24.6829, 21.0884



24.0775, 24.6829, 45.6263

# Complementary

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



28.1391, 24.6829, 18.6104



28.2536, 33.8903, 46.6475

# 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.



21.3415, 24.6829, 43.9286



28.1391, 24.6829, 18.6104



18.4370, 24.6829, 28.6660

# Square

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



28.1391, 24.6829, 18.6104



20.3620, 24.6829, 16.1448



19.3313, 24.6829, 37.2840



26.8581, 24.6829, 41.5418



# Rectangle

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



28.1391, 24.6829, 18.6104



23.8027, 24.6829, 14.0834



19.3313, 24.6829, 37.2840



23.1213, 24.6829, 45.7230

# Sweetspot

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



28.1397, 24.6841, 18.6109



66.0876, 66.4823, 66.6364



30.8241, 23.6950, 39.1058



14.1162, 14.1180, 13.9952



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.



28.1397, 24.6841, 18.6109



46.6231, 38.7518, 25.6245



32.8332, 34.0710, 20.1754



8.6088, 8.7301, 8.8839



13.5041, 7.5067, 0.7372



0.4602, 0.3068, 0.0350



# Inverse Universe

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



28.2536, 33.8903, 46.6475



46.8382, 57.6045, 83.1455



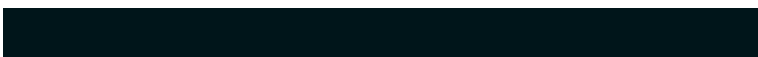
23.0972, 23.5775, 44.9287



8.6178, 9.3818, 10.8630



13.3519, 17.5042, 32.8119



0.4525, 0.6155, 1.0432



# Previews

## White Background



This preview shows how the XYZ color 28.1391, 24.6829, 18.6104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

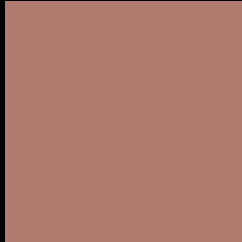
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.1391, 24.6829, 18.6104 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 28.1391, 24.6829, 18.6104**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1391, 24.6829, 18.6104.



This preview shows how white text looks on a background with the XYZ color 28.1391, 24.6829,



# 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

28.1391, 24.6829, 18.6104

### Protanopia

23.4019, 24.7560, 20.6845

### Deuteranopia

25.2288, 24.7293, 18.1954



## Tritanopia

29.3361, 24.6284, 24.3267

# Trichromacy



## Original Color

28.1391, 24.6829, 18.6104

## Protanomaly

24.7863, 24.4621, 19.9383

## Deuteranomaly

26.3143, 24.6930, 18.4182

## Tritanomaly

28.7726, 24.5698, 21.9649

# Monochromacy



## Original Color

28.1391, 24.6829, 18.6104

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

25.2989, 25.0354, 24.2678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1391, 24.6829, 18.6104 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(177, 123, 112)` looks like.

```
.text, #text, p{  
    color:rgb(177, 123, 112)  
}
```

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(177, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 123, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1391, 24.6829, 18.6104 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(177, 123, 112) }
```



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

```
.border{ border-color:rgb(177, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 123, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 123, 112); box-shadow:4px 4px 4px 4px rgb(177, 123, 112) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1391, 24.6829, 18.6104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 123, 112) }
```

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

```
.background{ background-color: rgb(177,  
123, 112) }
```

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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