

# Converting Colors

XYZ(27.2869, 23.8213, 9.0047)

Have a look what the booklet for  
XYZ(27.2869, 23.8213, 9.0047)  
contains.

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# Color

**XYZ(27.3504, 23.9424,  
8.9742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B77846
RGB	183, 120, 70
RGB Percent	72%, 47%, 27%
CMY	0.2824, 0.5294, 0.7255
CMYK	0.00, 0.34, 0.62, 0.28
HSL	27°, 45%, 50%
HSV	27°, 62%, 72%
XYZ	27.3504, 23.9424, 8.9742
YIQ	133.1370, 53.5980, -2.1940

# Conversions

## Conversions Part 2

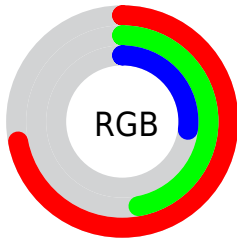
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 160, 70
Decimal	12023878
CIE Lab	56.03, 19.63, 37.15
CIE LCh	56, 42.017, 62.155
Yxy	23.9424, 0.4538, 0.3973
Android (android.graphics.Color)	4290213958 (0xFFB77846)
YUV	133.1370, -31.1265, 43.7299
Hunter-Lab	48.9310, 14.1450, 23.3776

# Details

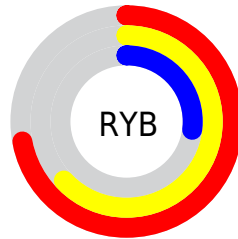
The XYZ color **27.3504, 23.9424, 8.9742** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.4601, 21.4950, 47.9228**, and the grayscale version is **22.4410, 23.6097, 25.7109**.

A 20% lighter version of the original color is **54.9517, 50.1205, 24.5472**, and **11.0121, 9.0040, 1.9681** is the 20% darker color. If you saturate the color by 10%, you get **25.6962, 21.4219, 5.9942**, and if you desaturate by 10%, it is **29.3125, 26.7972, 12.9256**.

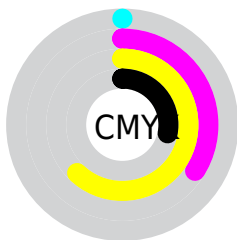
# Distribution



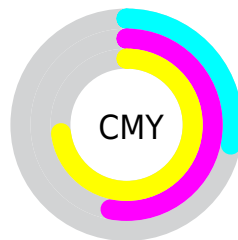
- Red (72%)
- Green (47%)
- Blue (27%)



- Red (72%)
- Yellow (63%)
- Blue (27%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (28%)




- Cyan (28%)
- Magenta (53%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3504, 23.9424, 8.9742 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 27.3504, 23.9424, 8.9742 by changing the saturation by 10% instead.





 27.3504, 23.9424,  
8.9742


 27.3504, 23.9424,  
8.9742


281.4864,  
272.5291, 193.3963


 17.9745, 15.2909,  
4.6278


 54.8616, 49.9362,  
24.4242

 11.0313, 9.0238,  
1.9757


 73.7275, 68.0473,  
36.3649


 6.1553, 4.7567,  
0.5403


 96.4876, 90.0803,  
51.6741

 2.9813, 2.1052,  
0.0000

 123.5071,  
116.4198, 70.7703

 1.1439, 0.6676,  
0.0000

 155.1514,  
147.4500, 94.0721

 0.0614, 0.0000,  
0.0000

191.7858,

 0.0000, 0.0000,

183.5553, 121.9980

0.0000

233.7757,  
225.1203, 154.9665

■ 27.3504, 23.9424,  
8.9742

■ 27.3504, 23.9424,  
8.9742

■ 25.6962, 21.4219,  
5.9942

■ 29.3125, 26.7972,  
12.9256

■ 24.3275, 19.2173,  
3.8956

■ 31.5992, 29.9963,  
17.9247

■ 23.2210, 17.3134,  
2.5737

■ 34.2278, 33.5535,  
24.0416

■ 22.4693, 15.9492,  
1.8942

■ 37.2137, 37.4809,  
31.3399

■ 40.5714, 41.7896,  
39.8784

■ 44.3143, 46.4904,  
49.7119

■ 48.4553, 51.5936,  
60.8921

■ 53.0066, 57.1091,  
73.4675

■ 57.9797, 63.0464,  
87.4845

# Harmonies

## Analogous

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



31.5087, 23.9424, 14.3705



27.3504, 23.9424, 8.9742



22.4109, 23.9424, 7.5601

# Triad

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



27.3504, 23.9424, 8.9742



14.7164, 23.9424, 27.0769



28.0363, 23.9424, 55.4993

# Complementary

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



27.3504, 23.9424, 8.9742



19.4601, 21.4950, 47.9228

# 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.



23.1057, 23.9424, 62.4571



27.3504, 23.9424, 8.9742



15.7967, 23.9424, 42.8393

# Square

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



27.3504, 23.9424, 8.9742



15.5258, 23.9424, 15.5605



18.7082, 23.9424, 57.1623



31.9423, 23.9424, 40.4839



# Rectangle

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



27.3504, 23.9424, 8.9742



19.4472, 23.9424, 8.4399



18.7082, 23.9424, 57.1623



26.4215, 23.9424, 59.0563

# Sweetspot

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



27.3510, 23.9436, 8.9747



68.0509, 68.9425, 59.6429



26.0240, 16.1699, 24.3161



14.6682, 14.7581, 12.2660



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



27.3510, 23.9436, 8.9747



45.1139, 36.9315, 9.2593



36.0548, 41.3513, 11.8759



9.3229, 9.6488, 9.4779



15.7413, 11.2589, 1.3435



0.6168, 0.5206, 0.0680



# Inverse Universe

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



19.4601, 21.4950, 47.9228



29.7563, 32.1023, 84.8638



13.7646, 10.1039, 46.0243



8.9251, 9.5274, 11.4480



9.3480, 9.1557, 32.5276

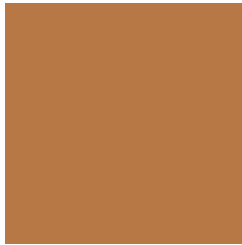


0.3902, 0.4440, 1.1669



# Previews

## White Background



This preview shows how the XYZ color 27.3504, 23.9424, 8.9742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

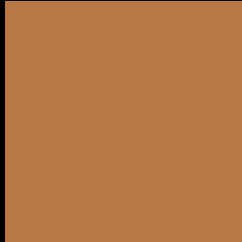
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.3504, 23.9424, 8.9742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

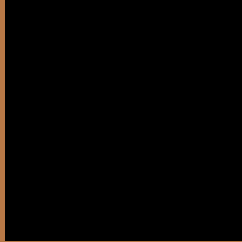
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.3504, 23.9424, 8.9742**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3504, 23.9424, 8.9742.



This preview shows how white text looks on a background with the XYZ color 27.3504, 23.9424,



# 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

27.3504, 23.9424, 8.9742

### Protanopia

22.1467, 24.1318, 10.1473

### Deuteranopia

24.4884, 23.9627, 8.8034



## Tritanopia

30.0237, 24.0046, 21.4633

# Trichromacy



## Original Color

27.3504, 23.9424, 8.9742

## Protanomaly

23.8832, 24.0234, 9.6815

## Deuteranomaly

25.4211, 23.8676, 8.8973

## Tritanomaly

28.9433, 23.9092, 15.9214

# Monochromacy



## Original Color

27.3504, 23.9424, 8.9742

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

23.2961, 23.1434, 17.9911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3504, 23.9424, 8.9742 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(183, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(183, 120, 70)  
}
```

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(183, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 120, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3504, 23.9424, 8.9742 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(183, 120, 70) }
```



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

```
.border{ border-color:rgb(183, 120, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 120, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(183, 120,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3504, 23.9424, 8.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 120, 70) }
```

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

```
.background{ background-color: rgb(183,  
120, 70) }
```

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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