

# Converting Colors

XYZ(28.0205, 23.7861, 25.4683)

Have a look what the booklet for  
XYZ(28.0205, 23.7861, 25.4683)  
contains.

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# Color

**XYZ(28.0640, 23.7713,  
25.2995)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD7785
RGB	173, 119, 133
RGB Percent	68%, 47%, 52%
CMY	0.3216, 0.5333, 0.4784
CMYK	0.00, 0.31, 0.23, 0.32
HSL	344°, 25%, 57%
HSV	344°, 31%, 68%
XYZ	28.0640, 23.7713, 25.2995
YIQ	136.7420, 27.6900, 15.8020

# Conversions

## Conversions Part 2

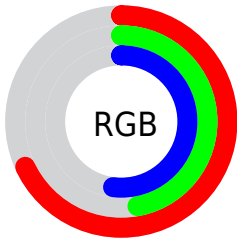
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 119, 133
Decimal	11368325
CIE <sub>Lab</sub>	55.86, 23.21, 0.94
CIE <sub>LCh</sub>	56, 23.232, 2.314
Yxy	23.7713, 0.3638, 0.3082
Android (android.graphics.Color)	4289558405 (0xFFAD7785)
YUV	136.7420, -1.8448, 31.7983
Hunter-Lab	48.7558, 17.4225, 3.3634

# Details

The XYZ color **28.0640, 23.7713, 25.2995** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.8103, 36.3128, 38.2931**, and the grayscale version is **23.6804, 24.9137, 27.1310**.

A 20% lighter version of the original color is **55.9285, 49.7082, 53.1013**, and **11.3981, 8.9423, 9.5128** is the 20% darker color. If you saturate the color by 10%, you get **25.3574, 19.6895, 20.2923**, and if you desaturate by 10%, it is **31.2547, 28.6480, 31.0017**.

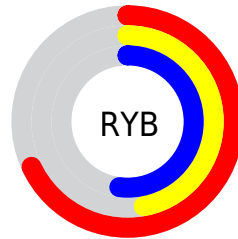
# Distribution



Red (68%)

Green (47%)

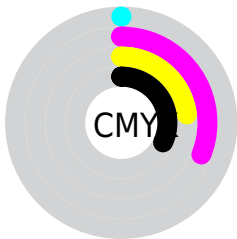
Blue (52%)



Red (68%)

Yellow (47%)

Blue (52%)

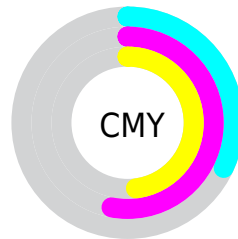


Cyan (0%)

Magenta (31%)

Yellow (23%)

Black (32%)



Cyan (32%)

Magenta (53%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0640, 23.7713, 25.2995 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 28.0640, 23.7713, 25.2995 by changing the saturation by 10% instead.





 28.0640, 23.7713,  
25.2995


 28.0640, 23.7713,  
25.2995


284.8471,  
271.6622, 292.8215


 18.5146, 15.1641,  
16.0793


 55.9945, 49.6567,  
53.1128

 11.4220, 8.9346,  
9.4253


 75.1064, 67.7037,  
72.5430

 6.4208, 4.6986,  
4.9190


 98.1364, 89.6661,  
96.2136

 3.1457, 2.0715,  
2.1419

125.4500,  
115.9282, 124.5431

 1.2313, 0.6485,  
0.6406

157.4126,  
146.8745, 157.9501

 0.1308, 0.0000,  
0.0000

194.3894,

 0.0000, 0.0000,

182.8893, 196.8532

0.0000

236.7458,  
224.3571, 241.6708

■ 28.0640, 23.7713,  
25.2995

■ 28.0640, 23.7713,  
25.2995

■ 25.3574, 19.6895,  
20.2923

■ 31.2547, 28.6480,  
31.0017

■ 23.1088, 16.3572,  
15.9514

■ 34.9501, 34.3555,  
37.4229

■ 21.2923, 13.7291,  
12.2483


■ 39.1719, 40.9313,  
44.5881


■ 19.8789, 11.7540,  
9.1516


■ 43.9399, 48.4098,  
52.5203


■ 18.8356, 10.3734,  
6.6272


■ 49.2729, 56.8234,  
61.2417

 18.1238, 9.5183,  
4.6371

 55.1888, 66.2030,  
70.7735

 17.7043, 9.0725,  
3.2850

 61.7047, 76.5780,  
81.1361

 68.0651, 86.4328,  
92.0918

 69.9899, 87.2028,  
102.2276

# Harmonies

## Analogous

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



27.4015, 23.7713, 33.2545



28.0640, 23.7713, 25.2995



27.1687, 23.7713, 18.8537

# Triad

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



28.0640, 23.7713, 25.2995



19.9837, 23.7713, 15.4246



20.3131, 23.7713, 41.0354

# Complementary

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



28.0640, 23.7713, 25.2995



28.8103, 36.3128, 38.2931

# 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.



18.5638, 23.7713, 34.4724



28.0640, 23.7713, 25.2995



18.3844, 23.7713, 19.6901

# Square

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



28.0640, 23.7713, 25.2995



22.3893, 23.7713, 13.8901



17.8852, 23.7713, 26.4752



22.7998, 23.7713, 43.3273



# Rectangle

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



28.0640, 23.7713, 25.2995



25.8466, 23.7713, 15.9856



17.8852, 23.7713, 26.4752



19.6262, 23.7713, 39.1999

# Sweetspot

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



28.0647, 23.7724, 25.3000



64.0691, 63.8193, 69.5486



28.3593, 23.5420, 42.5846



13.7022, 13.5254, 14.7355



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



28.0647, 23.7724, 25.3000



47.0458, 37.7115, 39.4001



28.7612, 26.6114, 21.0747



8.0873, 8.0482, 8.7705



13.0268, 6.6733, 2.5208



0.3848, 0.1946, 0.1881



# Inverse Universe

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



28.0647, 23.7724, 25.3000



47.0458, 37.7115, 39.4001



27.7916, 32.2203, 44.2896



8.0873, 8.0482, 8.7705



13.0268, 6.6733, 2.5208

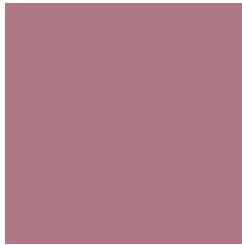


0.3848, 0.1946, 0.1881



# Previews

## White Background



This preview shows how the XYZ color 28.0640, 23.7713, 25.2995 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 28.0640, 23.7713, 25.2995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

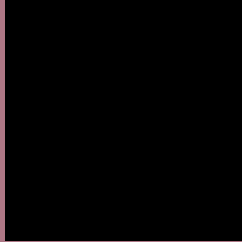
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.0640, 23.7713, 25.2995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0640, 23.7713, 25.2995.



This preview shows how white text looks on a background with the XYZ color 28.0640, 23.7713,



# 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

28.0640, 23.7713, 25.2995

### Protanopia

23.0268, 23.7665, 28.5731

### Deuteranopia

24.2921, 23.8999, 24.8055



## Tritanopia

27.9125, 23.9022, 23.9113

# Trichromacy



## Original Color

28.0640, 23.7713, 25.2995

## Protanomaly

24.5194, 23.5692, 27.3018

## Deuteranomaly

25.5303, 23.7558, 25.0695

## Tritanomaly

27.9793, 23.9289, 24.2632

# Monochromacy



## Original Color

28.0640, 23.7713, 25.2995

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

25.0042, 24.2269, 26.6509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0640, 23.7713, 25.2995 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(173, 119, 133)` looks like.

```
.text, #text, p{  
    color:rgb(173, 119, 133)  
}
```

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(173, 119, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 119, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0640, 23.7713, 25.2995 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(173, 119, 133) }
```



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

```
.border{ border-color:rgb(173, 119, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 119, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 119, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 119, 133);  
box-shadow:4px 4px 4px 4px rgb(173, 119,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0640, 23.7713, 25.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 119, 133) }
```

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

```
.background{ background-color: rgb(173,  
119, 133) }
```

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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