

# Converting Colors

XYZ(28.6615, 23.6864, 19.3623)

Have a look what the booklet for  
XYZ(28.6615, 23.6864, 19.3623)  
contains.

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# Color

**XYZ(28.6313, 23.6737,  
19.2801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B67473</a>
RGB	<a href="#">182, 116, 115</a>
RGB Percent	<a href="#">71%, 45%, 45%</a>
CMY	<a href="#">0.2863, 0.5451, 0.5490</a>
CMYK	<a href="#">0.00, 0.36, 0.37, 0.29</a>
HSL	<a href="#">1°, 31%, 58%</a>
HSV	<a href="#">1°, 37%, 71%</a>
XYZ	<a href="#">28.6313, 23.6737, 19.2801</a>
YIQ	<a href="#">135.6200, 39.6570, 13.6810</a>

# Conversions

## Conversions Part 2

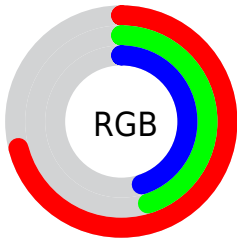
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 116, 115
Decimal	11957363
CIE <sub>Lab</sub>	55.76, 25.87, 11.41
CIE <sub>LCh</sub>	56, 28.273, 23.812
Yxy	23.6737, 0.4000, 0.3307
Android (android.graphics.Color)	4290147443 (0xFFB67473)
YUV	135.6200, -10.1657, 40.6753
Hunter-Lab	48.6556, 19.8906, 10.5649

# Details

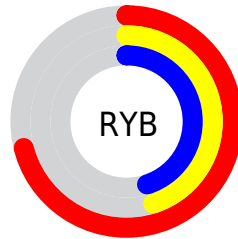
The XYZ color **28.6313, 23.6737, 19.2801** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.0368, 40.0683, 50.3013**, and the grayscale version is **23.2867, 24.4994, 26.6799**.

A 20% lighter version of the original color is **57.0982, 49.6912, 43.1412**, and **11.7727, 8.9316, 6.4137** is the 20% darker color. If you saturate the color by 10%, you get **25.8147, 19.5544, 13.6744**, and if you desaturate by 10%, it is **32.0547, 28.6756, 26.1086**.

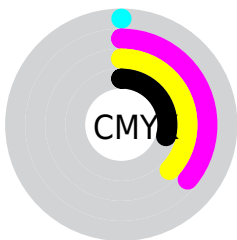
# Distribution



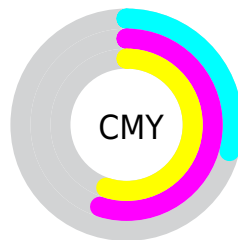
- Red (71%)
- Green (45%)
- Blue (45%)



- Red (71%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (36%)
- Yellow (37%)
- Black (29%)




- Cyan (29%)
- Magenta (55%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6313, 23.6737, 19.2801 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 28.6313, 23.6737, 19.2801 by changing the saturation by 10% instead.





 28.6313, 23.6737,  
19.2801


 28.6313, 23.6737,  
19.2801


287.4970,  
271.1666, 260.4648


 18.9450, 15.0917,  
11.6940


 56.8924, 49.4972,  
43.0499

 11.7343, 8.8838,  
6.4157


 76.1979, 67.5075,  
60.0706

 6.6339, 4.6655,  
3.0266


 99.4404, 89.4295,  
81.0732

 3.2785, 2.0523,  
1.1082

 126.9854,  
115.6474, 106.4764

 1.3027, 0.6376,  
0.0000

159.1982,  
146.5456, 136.6986

 0.1852, 0.0000,  
0.0000

196.4442,

 0.0000, 0.0000,

182.5087, 172.1584

0.0000

239.0887,  
223.9209, 213.2743

■ 28.6313, 23.6737,  
19.2801

■ 28.6313, 23.6737,  
19.2801

■ 25.8147, 19.5544,  
13.6744

■ 32.0547, 28.6756,  
26.1086

■ 23.5679, 16.2632,  
9.2181

■ 36.1154, 34.6034,  
34.2248

■ 21.8524, 13.7452,  
5.8321


■ 40.8441, 41.5018,  
43.6905


■ 20.6247, 11.9372,  
3.4265


■ 46.2692, 49.4116,  
54.5632


■ 19.8339, 10.7663,  
1.8969


■ 52.4171, 58.3713,  
66.8972

 19.4148, 10.1410,  
1.1007

 59.3130, 68.4173,  
80.7436

 19.3210, 10.0043,  
0.9127

 66.9809, 79.5843,  
96.1514

 73.1014, 88.6851,  
107.8728

# Harmonies

## Analogous

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



29.2097, 23.6737, 27.7286



28.6313, 23.6737, 19.2801



26.3444, 23.6737, 13.9833

# Triad

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



28.6313, 23.6737, 19.2801



17.8796, 23.6737, 16.6875



21.8426, 23.6737, 47.6381

# Complementary

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



28.6313, 23.6737, 19.2801



32.0368, 40.0683, 50.3013

# 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.



19.0511, 23.6737, 42.8307



28.6313, 23.6737, 19.2801



16.9074, 23.6737, 23.9185

# Square

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



28.6313, 23.6737, 19.2801



20.1008, 23.6737, 12.7542



17.3151, 23.6737, 33.5896



25.0854, 23.6737, 45.5587



# Rectangle

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



28.6313, 23.6737, 19.2801



24.2655, 23.6737, 12.2580



17.3151, 23.6737, 33.5896



20.8245, 23.6737, 46.7437

# Sweetspot

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



28.6319, 23.6749, 19.2806



70.1483, 69.5514, 71.3973



33.8657, 25.5841, 47.4092



15.2384, 14.9895, 15.2587



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.



28.6319, 23.6749, 19.2806



47.7713, 36.8705, 26.7183



33.0545, 32.5200, 20.7548



9.0151, 9.0332, 9.3753



13.6487, 7.0737, 0.6460



0.4848, 0.2567, 0.0240



# Inverse Universe

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



32.0368, 40.0683, 50.3013



54.8263, 70.8466, 91.0208



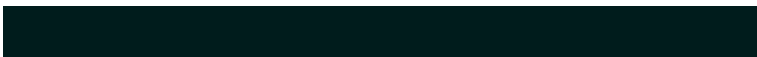
26.1824, 28.3594, 48.3499



9.2548, 10.1869, 11.5579



17.3897, 25.2392, 35.2082

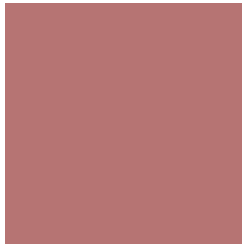


0.6167, 0.8971, 1.2424



# Previews

## White Background



This preview shows how the XYZ color 28.6313, 23.6737, 19.2801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

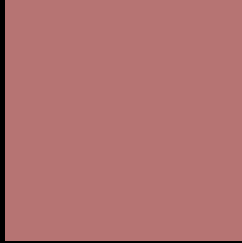
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.6313, 23.6737, 19.2801 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 28.6313, 23.6737, 19.2801**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6313, 23.6737, 19.2801.



This preview shows how white text looks on a background with the XYZ color 28.6313, 23.6737,



# 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

28.6313, 23.6737, 19.2801

### Protanopia

22.8106, 23.9944, 22.4979

### Deuteranopia

24.1573, 23.7628, 18.9362



## Tritanopia

29.2343, 23.7588, 21.7840

# Trichromacy



## Original Color

28.6313, 23.6737, 19.2801

## Protanomaly

24.5581, 23.5278, 21.3361

## Deuteranomaly

25.5548, 23.5227, 19.1130

## Tritanomaly

29.0493, 23.6848, 20.8099

# Monochromacy



## Original Color

28.6313, 23.6737, 19.2801

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

24.8834, 24.0313, 23.7491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6313, 23.6737, 19.2801 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(182, 116, 115)` looks like.

```
.text, #text, p{  
    color:rgb(182, 116, 115)  
}
```

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(182, 116, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 116, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6313, 23.6737, 19.2801 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(182, 116, 115) }
```



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

```
.border{ border-color:rgb(182, 116, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 116, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 116, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 116, 115);  
box-shadow:4px 4px 4px 4px rgb(182, 116,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6313, 23.6737, 19.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 116, 115) }
```

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

```
.background{ background-color: rgb(182,  
116, 115) }
```

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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