

# Converting Colors

XYZ(25.8677, 20.8462, 19.6120)

Have a look what the booklet for  
XYZ(25.8677, 20.8462, 19.6120)  
contains.

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# Color

**XYZ(25.8070, 20.8937,  
19.5023)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD6C75
RGB	173, 108, 117
RGB Percent	68%, 42%, 46%
CMY	0.3216, 0.5765, 0.5412
CMYK	0.00, 0.38, 0.32, 0.32
HSL	352°, 28%, 55%
HSV	352°, 38%, 68%
XYZ	25.8070, 20.8937, 19.5023
YIQ	128.4610, 35.8510, 16.5790

# Conversions

## Conversions Part 2

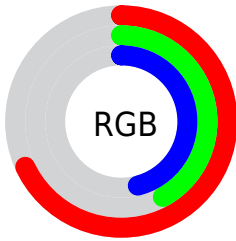
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 108, 117
Decimal	11365493
CIE <sub>Lab</sub>	52.83, 27.08, 5.94
CIE <sub>LCh</sub>	53, 27.720, 12.372
Yxy	20.8937, 0.3898, 0.3156
Android (android.graphics.Color)	4289555573 (0xFFAD6C75)
YUV	128.4610, -5.6503, 39.0607
Hunter-Lab	45.7096, 20.7867, 6.7003

# Details

The XYZ color **25.8070, 20.8937, 19.5023** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.8297, 35.7561, 40.5587**, and the grayscale version is **20.6888, 21.7663, 23.7034**.

A 20% lighter version of the original color is **52.3654, 44.8292, 43.4291**, and **10.2459, 7.4795, 6.5339** is the 20% darker color. If you saturate the color by 10%, you get **23.3525, 17.2772, 14.6992**, and if you desaturate by 10%, it is **28.7643, 25.2921, 25.1620**.

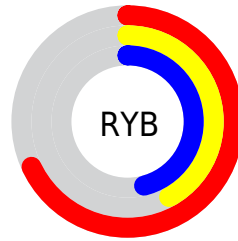
# Distribution



Red (68%)

Green (42%)

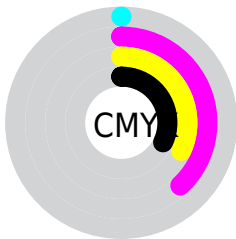
Blue (46%)



Red (68%)

Yellow (42%)

Blue (46%)

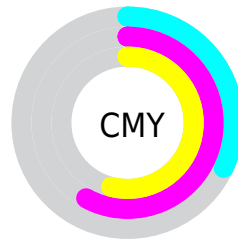


Cyan (0%)

Magenta (38%)

Yellow (32%)

Black (32%)



Cyan (32%)

Magenta (58%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8070, 20.8937, 19.5023 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 25.8070, 20.8937, 19.5023 by changing the saturation by 10% instead.





 25.8070, 20.8937,  
19.5023


 25.8070, 20.8937,  
19.5023


274.1075,  
256.7130, 261.7224


 16.8112, 13.0463,  
11.8533


 52.3969, 44.9106,  
43.4291


 10.1945, 7.4605,  
6.5225


 70.7218, 61.8488,  
60.5440

 5.5913, 3.7517,  
3.0915

 92.8872, 82.5862,  
81.6513

 2.6365, 1.5357,  
1.1415

 119.2582,  
107.5070, 107.1695

 0.9646, 0.3136,  
0.0000

150.2005,  
136.9957, 137.5172

 0.0000, 0.0000,  
0.0000

186.0792,

171.4367, 173.1129

227.2597,  
211.2143, 214.3751

■ 25.8070, 20.8937,  
19.5023

■ 25.8070, 20.8937,  
19.5023

■ 23.3525, 17.2772,  
14.6992

■ 28.7643, 25.2921,  
25.1620

■ 21.3709, 14.3939,  
10.7094

■ 32.2485, 30.5113,  
31.7159

■ 19.8318, 12.1943,  
7.4881


■ 36.2843, 36.5914,  
39.2012


■ 18.7007, 10.6217,  
4.9852


■ 40.8944, 43.5687,  
47.6523


■ 17.9376, 9.6099,  
3.1446


■ 46.1001, 51.4777,  
57.1020


 17.4837, 9.0573,  
1.8984

 51.9216, 60.3509,  
67.5815

 17.3979, 8.9500,  
1.6717

 58.3783, 70.2194,  
79.1206

 65.4885, 81.1126,  
91.7481

 70.4299, 87.3787,  
104.5447

# Harmonies

## Analogous

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



25.6500, 20.8937, 27.9268



25.8070, 20.8937, 19.5023



24.2614, 20.8937, 13.6088

# Triad

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



25.8070, 20.8937, 19.5023



16.3388, 20.8937, 12.8880



18.2204, 20.8937, 41.5751

# Complementary

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



25.8070, 20.8937, 19.5023



27.8297, 35.7561, 40.5587

# 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.



16.0239, 20.8937, 35.2729



25.8070, 20.8937, 19.5023



15.0124, 20.8937, 18.2555

# Square

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



25.8070, 20.8937, 19.5023



18.6900, 20.8937, 10.4611



14.9030, 20.8937, 26.3389



21.0754, 20.8937, 42.1432



# Rectangle

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



25.8070, 20.8937, 19.5023



22.5535, 20.8937, 11.3474



14.9030, 20.8937, 26.3389



17.3878, 20.8937, 39.9974

# Sweetspot

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



25.8076, 20.8947, 19.5027



62.2485, 61.4065, 65.1546



28.0615, 21.5563, 42.2169



13.3217, 13.0342, 13.7774



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.



25.8076, 20.8947, 19.5027



42.5436, 31.9992, 27.7506



28.0238, 26.1334, 17.7559



8.0487, 8.0327, 8.5674



12.7944, 6.5803, 1.2967



0.3696, 0.1885, 0.1081



# Inverse Universe

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



25.8076, 20.8947, 19.5027



42.5436, 31.9992, 27.7506



24.6743, 28.0987, 43.6583



8.0487, 8.0327, 8.5674



12.7944, 6.5803, 1.2967

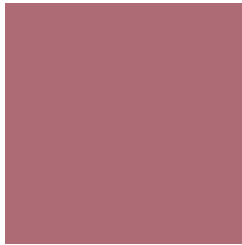


0.3696, 0.1885, 0.1081



# Previews

## White Background



This preview shows how the XYZ color 25.8070, 20.8937, 19.5023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

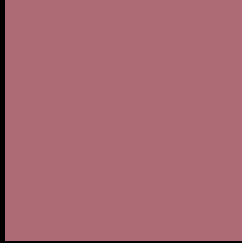
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.8070, 20.8937, 19.5023 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 25.8070, 20.8937, 19.5023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8070, 20.8937, 19.5023.



This preview shows how white text looks on a background with the XYZ color 25.8070, 20.8937,



# 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

25.8070, 20.8937, 19.5023

### Protanopia

20.3449, 21.1211, 23.0832

### Deuteranopia

21.3817, 20.9965, 19.1454



## Tritanopia

25.7485, 20.8703, 19.1943

# Trichromacy



## Original Color

25.8070, 20.8937, 19.5023

## Protanomaly

21.8490, 20.6435, 21.5719

## Deuteranomaly

22.8401, 20.8536, 19.3443

## Tritanomaly

25.7485, 20.8703, 19.1943

# Monochromacy



## Original Color

25.8070, 20.8937, 19.5023

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.9771, 21.0593, 21.9753

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8070, 20.8937, 19.5023 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, 108, 117)` looks like.

```
.text, #text, p{  
    color:rgb(173, 108, 117)  
}
```

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, 108, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 108, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8070, 20.8937, 19.5023 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, 108, 117) }
```



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

```
.border{ border-color:rgb(173, 108, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 108, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 108, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 108, 117);  
box-shadow:4px 4px 4px 4px rgb(173, 108,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8070, 20.8937, 19.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 108, 117) }
```

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

```
.background{ background-color: rgb(173,  
108, 117) }
```

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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