

# Converting Colors

XYZ(29.7145, 23.4472, 22.1399)

Have a look what the booklet for  
XYZ(29.7145, 23.4472, 22.1399)  
contains.

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# Color

**XYZ(29.6820, 23.4827,  
22.0370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA707C
RGB	186, 112, 124
RGB Percent	73%, 44%, 49%
CMY	0.2706, 0.5608, 0.5137
CMYK	0.00, 0.40, 0.33, 0.27
HSL	350°, 35%, 58%
HSV	350°, 40%, 73%
XYZ	29.6820, 23.4827, 22.0370
YIQ	135.4940, 40.2520, 19.4200

# Conversions

## Conversions Part 2

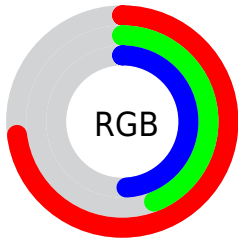
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 112, 124
Decimal	12218492
CIE Lab	55.57, 30.75, 5.96
CIE LCh	56, 31.324, 10.977
Yxy	23.4827, 0.3947, 0.3123
Android (android.graphics.Color)	4290408572 (0xFFBA707C)
YUV	135.4940, -5.6665, 44.2938
Hunter-Lab	48.4590, 24.5314, 6.9588

# Details

The XYZ color **29.6820, 23.4827, 22.0370** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.8821, 41.6192, 46.3996**, and the grayscale version is **23.2233, 24.4327, 26.6073**.

A 20% lighter version of the original color is **58.5998, 49.2780, 47.4973**, and **12.3527, 8.7785, 7.7000** is the 20% darker color. If you saturate the color by 10%, you get **26.9287, 19.4307, 16.6350**, and if you desaturate by 10%, it is **33.0162, 28.4471, 28.4017**.

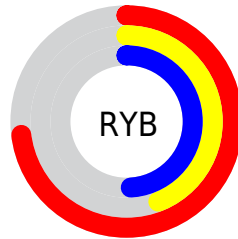
# Distribution



Red (73%)

Green (44%)

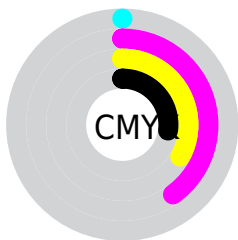
Blue (49%)



Red (73%)

Yellow (44%)

Blue (49%)

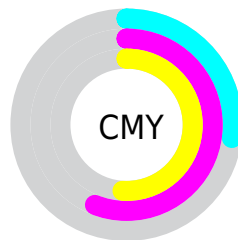


Cyan (0%)

Magenta (40%)

Yellow (33%)

Black (27%)



Cyan (27%)

Magenta (56%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6820, 23.4827, 22.0370 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 29.6820, 23.4827, 22.0370 by changing the saturation by 10% instead.





 29.6820, 23.4827,  
22.0370


 29.6820, 23.4827,  
22.0370


292.3559,  
270.1946, 275.6992


 19.7442, 14.9503,  
13.6855


 58.5490, 49.1847,  
47.7101


 12.3164, 8.7845,  
7.7660

 78.2089, 67.1231,  
65.8688

 7.0333, 4.6009,  
3.8600


 101.8403, 88.9657,  
88.1337

 3.5294, 2.0151,  
1.5488

 129.8084,  
115.0969, 114.9232

 1.4395, 0.6162,  
0.2539

162.4787,  
145.9009, 146.6560

 0.2841, 0.0000,  
0.0000

200.2164,

 0.0000, 0.0000,

181.7623, 183.7506

0.0000

243.3870,  
223.0654, 226.6255

■ 29.6820, 23.4827,  
22.0370

■ 29.6820, 23.4827,  
22.0370

■ 26.9287, 19.4307,  
16.6350

■ 33.0162, 28.4471,  
28.4017

■ 24.7210, 16.2322,  
12.1470

■ 36.9604, 34.3713,  
35.7716

■ 23.0222, 13.8267,  
8.5224


■ 41.5438, 41.3034,  
44.1884


■ 21.7906, 12.1443,  
5.7046


■ 46.7932, 49.2875,  
53.6910


■ 20.9774, 11.1029,  
3.6302

■ 52.7340, 58.3649,  
64.3162


 20.4948, 10.5442,  
2.2166

 59.3901, 68.5747,  
76.0992

 20.4861, 10.5337,  
2.1921

 66.7844, 79.9542,  
89.0736

 73.0585, 88.7786,  
102.6450

 74.0598, 89.1791,  
107.9177

# Harmonies

## Analogous

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



29.3844, 23.4827, 32.4553



29.6820, 23.4827, 22.0370



27.8564, 23.4827, 14.8070

# Triad

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



29.6820, 23.4827, 22.0370



18.1512, 23.4827, 13.5050



20.1760, 23.4827, 48.7496

# Complementary

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



29.6820, 23.4827, 22.0370



31.8821, 41.6192, 46.3996

# 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.



17.5698, 23.4827, 40.5818



29.6820, 23.4827, 22.0370



16.4889, 23.4827, 19.7324

# Square

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



29.6820, 23.4827, 22.0370



21.0497, 23.4827, 10.8206



16.2880, 23.4827, 29.4588



23.6395, 23.4827, 49.8449



# Rectangle

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



29.6820, 23.4827, 22.0370



25.7835, 23.4827, 12.0413



16.2880, 23.4827, 29.4588



19.1807, 23.4827, 46.6557

# Sweetspot

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



29.6826, 23.4838, 22.0375



73.1842, 71.6570, 76.2300



32.0393, 24.0952, 49.4167



15.8703, 15.4075, 16.3366



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



29.6826, 23.4838, 22.0375



49.2579, 35.8744, 31.0440



32.0735, 29.4068, 19.3163



9.0624, 9.0353, 9.6761



13.8012, 7.0942, 1.5740



0.5052, 0.2575, 0.1537



# Inverse Universe

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



29.6826, 23.4838, 22.0375



49.2579, 35.8744, 31.0440



28.3492, 32.5973, 51.2523



9.0624, 9.0353, 9.6761



13.8012, 7.0942, 1.5740



0.5052, 0.2575, 0.1537



# Previews

## White Background



This preview shows how the XYZ color 29.6820, 23.4827, 22.0370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

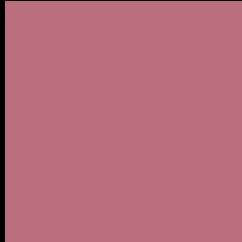
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.6820, 23.4827, 22.0370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

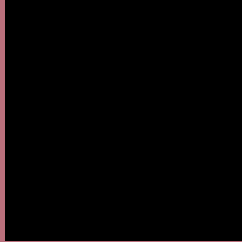
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.6820, 23.4827, 22.0370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6820, 23.4827, 22.0370.



This preview shows how white text looks on a background with the XYZ color 29.6820, 23.4827,



# 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

29.6820, 23.4827, 22.0370

### Protanopia

22.8231, 23.7035, 26.6649

### Deuteranopia

24.0639, 23.6603, 21.3877



## Tritanopia

29.6060, 23.6298, 21.0898

# Trichromacy



## Original Color

29.6820, 23.4827, 22.0370

## Protanomaly

24.8249, 23.2032, 25.0000

## Deuteranomaly

25.9057, 23.4636, 21.5759

## Tritanomaly

29.6677, 23.6545, 21.4145

# Monochromacy



## Original Color

29.6820, 23.4827, 22.0370

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

25.0125, 23.6875, 24.7266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6820, 23.4827, 22.0370 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(186, 112, 124)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 124)  
}
```

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(186, 112, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6820, 23.4827, 22.0370 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(186, 112, 124) }
```



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

```
.border{ border-color:rgb(186, 112, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 112, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 124);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6820, 23.4827, 22.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 124) }
```

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

```
.background{ background-color: rgb(186,  
112, 124) }
```

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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