

# Converting Colors

XYZ(30.6083, 26.7223, 22.5661)

Have a look what the booklet for  
XYZ(30.6083, 26.7223, 22.5661)  
contains.

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# Color

**XYZ(30.6487, 26.8387,  
22.6338)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B6807C
RGB	182, 128, 124
RGB Percent	71%, 50%, 49%
CMY	0.2863, 0.4980, 0.5137
CMYK	0.00, 0.30, 0.32, 0.29
HSL	4°, 28%, 60%
HSV	4°, 32%, 71%
XYZ	30.6487, 26.8387, 22.6338
YIQ	143.6900, 33.4680, 10.2040

# Conversions

## Conversions Part 2

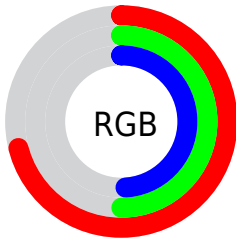
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 128, 124
Decimal	11960444
CIE Lab	58.82, 20.35, 10.53
CIE LCh	59, 22.913, 27.366
Yxy	26.8387, 0.3825, 0.3350
Android (android.graphics.Color)	4290150524 (0xFFB6807C)
YUV	143.6900, -9.7072, 33.5979
Hunter-Lab	51.8061, 14.9407, 10.3608

# Details

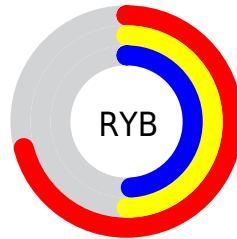
The XYZ color **30.6487, 26.8387, 22.6338** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.6755, 39.5019, 50.1585**, and the grayscale version is **26.4136, 27.7892, 30.2624**.

A 20% lighter version of the original color is **59.9570, 54.5331, 48.4402**, and **12.8965, 10.5460, 8.0125** is the 20% darker color. If you saturate the color by 10%, you get **27.5738, 22.3638, 16.4448**, and if you desaturate by 10%, it is **34.3066, 32.1392, 30.0657**.

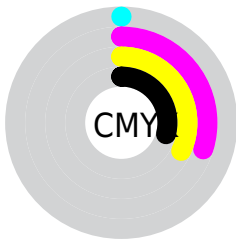
# Distribution



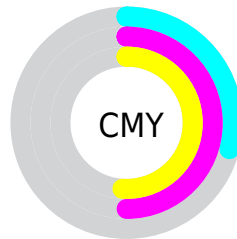
- Red (71%)
- Green (50%)
- Blue (49%)



- Red (71%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (30%)
- Yellow (32%)
- Black (29%)




- Cyan (29%)
- Magenta (50%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6487, 26.8387, 22.6338 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 30.6487, 26.8387, 22.6338 by changing the saturation by 10% instead.





 30.6487, 26.8387,  
22.6338


 30.6487, 26.8387,  
22.6338


296.7725,  
286.8753, 278.8992


 20.4820, 17.4521,  
14.1206


 60.0662, 54.6249,  
48.7069

 12.8562, 10.5574,  
8.0649

 80.0477, 73.7934,  
67.1038

 7.4059, 5.7700,  
4.0481


 104.0315, 96.9912,  
89.6324

 3.7658, 2.7058,  
1.6518

132.3829,  
124.6028, 116.7112

 1.5705, 0.9801,  
0.3274

165.4674,  
157.0127, 148.7587

 0.3731, 0.0000,  
0.0000

203.6502,

 0.0000, 0.0000,

194.6051, 186.1936

0.0000

247.2968,  
237.7645, 229.4342

■ 30.6487, 26.8387,  
22.6338

■ 30.6487, 26.8387,  
22.6338

■ 27.5738, 22.3638,  
16.4448

■ 34.3066, 32.1392,  
30.0657

■ 25.0496, 18.6694,  
11.4294

■ 38.5731, 38.2999,  
38.8015

■ 23.0442, 15.7119,  
7.5138


■ 43.4750, 45.3580,  
48.9002


■ 21.5214, 13.4418,  
4.6155


■ 49.0369, 53.3476,  
60.4165


■ 20.4403, 11.8036,  
2.6399


■ 55.2820, 62.3007,  
73.4023

 19.7533, 10.7331,  
1.4751

 62.2323, 72.2480,  
87.9068

 19.4299, 10.2219,  
0.9490

 69.9090, 83.2188,  
103.9769

 73.1015, 88.6851,  
107.8728

# Harmonies

## Analogous

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



31.3349, 26.8387, 29.9441



30.6487, 26.8387, 22.6338



28.5550, 26.8387, 17.9738

# Triad

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



30.6487, 26.8387, 22.6338



21.1993, 26.8387, 21.6047



25.2604, 26.8387, 47.6995

# Complementary

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



30.6487, 26.8387, 22.6338



32.6755, 39.5019, 50.1585

# 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.



22.6884, 26.8387, 44.3942



30.6487, 26.8387, 22.6338



20.4547, 26.8387, 28.5132

# Square

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



30.6487, 26.8387, 22.6338



23.0909, 26.8387, 17.4613



20.9793, 26.8387, 36.9805



28.0910, 26.8387, 45.3464



# Rectangle

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



30.6487, 26.8387, 22.6338



26.7170, 26.8387, 16.5103



20.9793, 26.8387, 36.9805



24.3387, 26.8387, 47.2015

# Sweetspot

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



30.6494, 26.8400, 22.6343



71.3595, 71.4942, 73.2794



34.5485, 27.5804, 45.6925



15.5005, 15.4152, 15.6495



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.



30.6494, 26.8400, 22.6343



51.6771, 43.0037, 33.1942



34.9641, 35.4694, 24.0726



9.0531, 9.1091, 9.3880



13.7401, 7.2565, 0.6765



0.5013, 0.2896, 0.0295



# Inverse Universe

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



32.6755, 39.5019, 50.1585



55.9026, 69.4414, 90.6929



27.5245, 29.1999, 48.4415



9.2122, 10.1016, 11.5437



16.0594, 22.5784, 34.7647



0.5821, 0.8279, 1.2309



# Previews

## White Background



This preview shows how the XYZ color 30.6487, 26.8387, 22.6338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

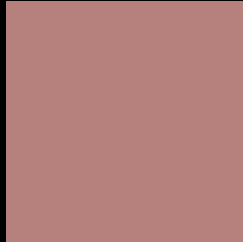
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.6487, 26.8387, 22.6338 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 30.6487, 26.8387, 22.6338**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.6487, 26.8387, 22.6338.



This preview shows how white text looks on a background with the XYZ color 30.6487, 26.8387,



# 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

30.6487, 26.8387, 22.6338

### Protanopia

25.6542, 26.8915, 25.3112

### Deuteranopia

27.5628, 27.0830, 22.1872



## Tritanopia

31.4332, 26.7666, 26.8023

# Trichromacy



## Original Color

30.6487, 26.8387, 22.6338

## Protanomaly

27.1976, 26.6404, 24.1307

## Deuteranomaly

28.6778, 27.0263, 22.4440

## Tritanomaly

31.2827, 26.9120, 25.3755

# Monochromacy



## Original Color

30.6487, 26.8387, 22.6338

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

27.7044, 27.2522, 27.4669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6487, 26.8387, 22.6338 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, 128, 124)` looks like.

```
.text, #text, p{  
    color:rgb(182, 128, 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(182, 128, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 128, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6487, 26.8387, 22.6338 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, 128, 124) }
```



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

```
.border{ border-color:rgb(182, 128, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 128, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 128, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 128, 124);  
box-shadow:4px 4px 4px 4px rgb(182, 128,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.6487, 26.8387, 22.6338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 128, 124) }
```

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

```
.background{ background-color: rgb(182,  
128, 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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