

Converting Colors

XYZ(30.1234, 23.9398, 20.3455)

Have a look what the booklet for
XYZ(30.1234, 23.9398, 20.3455)
contains.

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Color

**XYZ(30.2212, 23.9610,
20.4849)**

Conversions

Conversions Part 1

Format	Color
Hex	BD7177
RGB	189, 113, 119
RGB Percent	74%, 44%, 47%
CMY	0.2588, 0.5568, 0.5333
CMYK	0.00, 0.40, 0.37, 0.26
HSL	355°, 37%, 59%
HSV	355°, 40%, 74%
XYZ	30.2212, 23.9610, 20.4849
YIQ	136.4080, 43.3700, 17.9780

Conversions

Conversions Part 2

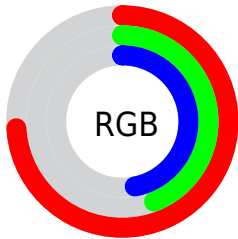
Format	Color
R_{YB}	189, 113, 119
Decimal	12415351
CIE Lab	56.05, 30.71, 9.62
CIE LCh	56, 32.184, 17.394
Yxy	23.9610, 0.4047, 0.3209
Android (android.graphics.Color)	4290605431 (0xFFBD7177)
YUV	136.4080, -8.5821, 46.1232
Hunter-Lab	48.9500, 24.5416, 9.4529

Details

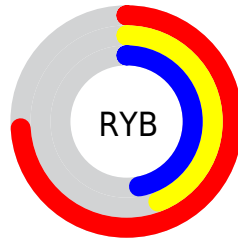
The XYZ color **30.2212, 23.9610, 20.4849** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.5560, 43.3254, 51.3962**, and the grayscale version is **23.5752, 24.8030, 27.0104**.

A 20% lighter version of the original color is **59.3447, 49.9869, 45.0487**, and **12.5877, 8.9965, 7.0343** is the 20% darker color. If you saturate the color by 10%, you get **27.3764, 19.7942, 14.8423**, and if you desaturate by 10%, it is **33.6978, 29.0849, 27.2834**.

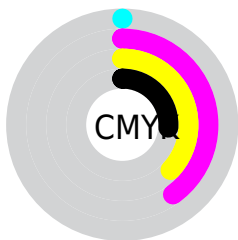
Distribution



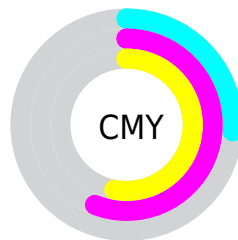
- Red (74%)
- Green (44%)
- Blue (47%)



- Red (74%)
- Yellow (44%)
- Blue (47%)



- Cyan (0%)
- Magenta (40%)
- Yellow (37%)
- Black (26%)



- Cyan (26%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2212, 23.9610, 20.4849 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 30.2212, 23.9610, 20.4849 by changing the saturation by 10% instead.


 30.2212, 23.9610,
20.4849


 30.2212, 23.9610,
20.4849


294.8255,
272.6232, 267.2187


 20.1555, 15.3047,
12.5604


 59.3960, 49.9666,
45.0983


 12.6170, 9.0335,
6.9994


 79.2359, 68.0846,
62.6243

 7.2405, 4.7630,
3.3833


 103.0644, 90.1253,
84.1879

 3.6606, 2.1089,
1.2935

 131.2470,
116.4731, 110.2076

 1.5120, 0.6696,
0.0565

164.1491,
147.5124, 141.1020

 0.3340, 0.0000,
0.0000

202.1360,

 0.0000, 0.0000,

183.6276, 177.2897

0.0000

245.5730,
225.2031, 219.1891

■ 30.2212, 23.9610,
20.4849

■ 30.2212, 23.9610,
20.4849

■ 27.3764, 19.7942,
14.8423

■ 33.6978, 29.0849,
27.2834

■ 25.1237, 16.5218,
10.2900

■ 37.8392, 35.2165,
35.2958

■ 23.4217, 14.0794,
6.7579


■ 42.6782, 42.4069,
44.5778


■ 22.2227, 12.3922,
4.1670


■ 48.2450, 50.7028,
55.1813


■ 21.4710, 11.3721,
2.4268

■ 54.5678, 60.1481,
67.1551

 21.0719, 10.8531,
1.4329

 61.6736, 70.7845,
80.5457

 69.5879, 82.6512,
95.3975

 74.7963, 89.5588,
107.9521

Harmonies

Analogous

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



30.4064, 23.9610, 30.7700



30.2212, 23.9610, 20.4849



27.9115, 23.9610, 13.8295

Triad

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



30.2212, 23.9610, 20.4849



17.9502, 23.9610, 14.6290



21.2636, 23.9610, 51.3039

Complementary

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



30.2212, 23.9610, 20.4849



33.5560, 43.3254, 51.3962

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.



18.3094, 23.9610, 44.0417



30.2212, 23.9610, 20.4849



16.5396, 23.9610, 21.9094

Square

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



30.2212, 23.9610, 20.4849



20.7225, 23.9610, 11.1286



16.6636, 23.9610, 32.6330



24.9571, 23.9610, 50.6188

Rectangle

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



30.2212, 23.9610, 20.4849



25.6058, 23.9610, 11.4898



16.6636, 23.9610, 32.6330



20.1595, 23.9610, 49.6440

Sweetspot

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



30.2218, 23.9622, 20.4854



74.6161, 73.2421, 76.3570



34.5404, 25.5121, 51.2480



15.7950, 15.3773, 15.9399



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.



30.2218, 23.9622, 20.4854



49.6984, 36.4256, 27.9157



34.0422, 32.1612, 20.0378



9.5599, 9.5483, 10.0715



14.1895, 7.3070, 1.0257



0.5663, 0.2904, 0.0955

Inverse Universe

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



30.2218, 23.9622, 20.4854



49.6984, 36.4256, 27.9157



28.1099, 31.4128, 52.7259



9.5599, 9.5483, 10.0715



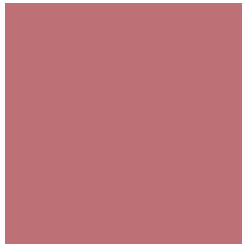
14.1895, 7.3070, 1.0257



0.5663, 0.2904, 0.0955

Previews

White Background



This preview shows how the XYZ color 30.2212, 23.9610, 20.4849 looks on a white background.

Color Contrast Check

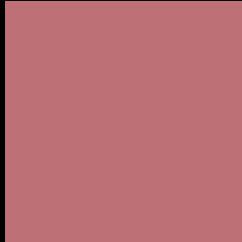
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2212, 23.9610, 20.4849 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 30.2212, 23.9610, 20.4849

Background



This preview shows how black text looks on a background with the XYZ color 30.2212, 23.9610, 20.4849.



This preview shows how white text looks on a background with the XYZ color 30.2212, 23.9610,

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

30.2212, 23.9610, 20.4849

Protanopia

23.0356, 24.0652, 24.5500

Deuteranopia

24.4614, 24.0962, 19.8848



Tritanopia

30.3426, 24.0095, 21.1242

Trichromacy



Original Color

30.2212, 23.9610, 20.4849

Protanomaly

25.1314, 23.5962, 22.9686

Deuteranomaly

26.3549, 23.9151, 20.0567

Tritanomaly

30.2816, 23.9851, 20.8029

Monochromacy



Original Color

30.2212, 23.9610, 20.4849

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.2660, 24.0186, 24.4235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2212, 23.9610, 20.4849 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(189, 113, 119)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 119)  
}
```

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(189, 113, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.2212, 23.9610, 20.4849 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(189, 113, 119) }
```


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

```
.border{ border-color:rgb(189, 113, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 113, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 119);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2212, 23.9610, 20.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 119) }
```

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

```
.background{ background-color: rgb(189,  
113, 119) }
```

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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