

Converting Colors

XYZ(29.9914, 24.4141, 17.6016)

Have a look what the booklet for
XYZ(29.9914, 24.4141, 17.6016)
contains.

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Color

**XYZ(29.9920, 24.4137,
17.5996)**

Conversions

Conversions Part 1

Format	Color
Hex	BD746D
RGB	189, 116, 109
RGB Percent	74%, 45%, 43%
CMY	0.2588, 0.5451, 0.5725
CMYK	0.00, 0.39, 0.42, 0.26
HSL	5°, 38%, 58%
HSV	5°, 42%, 74%
XYZ	29.9920, 24.4137, 17.5996
YIQ	137.0290, 45.7550, 13.2990

Conversions

Conversions Part 2

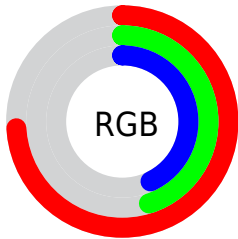
Format	Color
R_{YB}	189, 117, 109
Decimal	12416109
CIE Lab	56.50, 27.90, 16.05
CIE LCh	56, 32.192, 29.913
Yxy	24.4137, 0.4165, 0.3391
Android (android.graphics.Color)	4290606189 (0xFFBD746D)
YUV	137.0290, -13.8183, 45.5786
Hunter-Lab	49.4102, 21.8816, 13.4684

Details

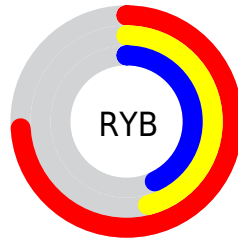
The XYZ color **29.9920, 24.4137, 17.5996** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.2193, 40.3797, 54.2401**, and the grayscale version is **23.8279, 25.0688, 27.2999**.

A 20% lighter version of the original color is **58.8909, 50.6882, 39.9376**, and **12.4906, 9.2308, 5.6808** is the 20% darker color. If you saturate the color by 10%, you get **27.2752, 20.4369, 12.2026**, and if you desaturate by 10%, it is **33.2979, 29.2184, 24.2727**.

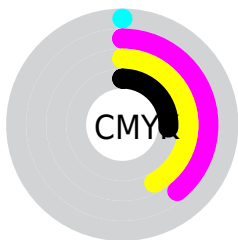
Distribution



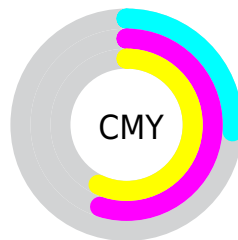
- Red (74%)
- Green (45%)
- Blue (43%)



- Red (74%)
- Yellow (46%)
- Blue (43%)



- Cyan (0%)
- Magenta (39%)
- Yellow (42%)
- Black (26%)





- Cyan (26%)
- Magenta (55%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9920, 24.4137, 17.5996 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 29.9920, 24.4137, 17.5996 by changing the saturation by 10% instead.


 29.9920, 24.4137,
17.5996


 29.9920, 24.4137,
17.5996


293.7777,
274.9054, 250.7643

 19.9806, 15.6408,
10.4964


 59.0362, 50.7045,
40.1585


 12.4891, 9.2703,
5.6195


 78.7998, 68.9911,
56.4514

 7.1523, 4.9179,
2.5501


 102.5447, 91.2178,
76.6446

 3.6047, 2.1992,
0.8665

 130.6363,
117.7689, 101.1567

 1.4810, 0.7196,
0.0000

163.4401,
149.0288, 130.4061

 0.3129, 0.0000,
0.0000

201.3213,

 0.0000, 0.0000,

185.3819, 164.8115

0.0000

244.6454,
227.2126, 204.7914

■ 29.9920, 24.4137,
17.5996

■ 29.9920, 24.4137,
17.5996

■ 27.2752, 20.4369,
12.2026

■ 33.2979, 29.2184,
24.2727

■ 25.1109, 17.2379,
7.9989

■ 37.2227, 34.8904,
32.2947

■ 23.4615, 14.7667,
4.8982


■ 41.7967, 41.4707,
41.7345


■ 22.2839, 12.9658,
2.7966


■ 47.0473, 48.9969,
52.6562


■ 21.5277, 11.7693,
1.5706


■ 53.0005, 57.5044,
65.1195

 21.1798, 11.2058,
1.0466

 59.6810, 67.0265,
79.1813

 67.1123, 77.5953,
94.8953

 74.4678, 88.9018,
107.8426

 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.



31.1398, 24.4137, 26.6137



29.9920, 24.4137, 17.5996



26.9885, 24.4137, 12.4775

Triad

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



29.9920, 24.4137, 17.5996



17.5361, 24.4137, 17.5584



23.1935, 24.4137, 52.8636

Complementary

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



29.9920, 24.4137, 17.5996



32.2193, 40.3797, 54.2401

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.



19.7919, 24.4137, 48.6072



29.9920, 24.4137, 17.5996



16.7466, 24.4137, 26.5510

Square

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



29.9920, 24.4137, 17.5996



19.8089, 24.4137, 12.4586



17.5271, 24.4137, 38.1958



26.9675, 24.4137, 48.6541

Rectangle

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



29.9920, 24.4137, 17.5996



24.4833, 24.4137, 11.0556



17.5271, 24.4137, 38.1958



21.9710, 24.4137, 52.3632

Sweetspot

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



29.9926, 24.4149, 17.6001



74.0886, 73.1694, 73.1530



34.9331, 25.1475, 47.4497



15.5256, 15.1502, 14.8896



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.



29.9926, 24.4149, 17.6001



49.0742, 36.9325, 22.2962



35.5793, 35.5884, 19.4623



9.5955, 9.6671, 9.9368



14.2751, 7.5891, 0.7125



0.5822, 0.3433, 0.0356

Inverse Universe

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



32.2193, 40.3797, 54.2401



53.5757, 69.3414, 96.7867



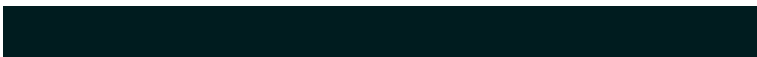
25.2149, 26.3709, 51.9053



9.7352, 10.6628, 12.2172



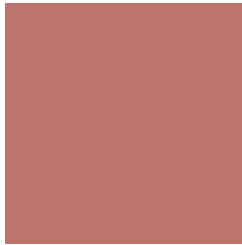
16.1926, 22.4969, 35.8818



0.6555, 0.9236, 1.4126

Previews

White Background



This preview shows how the XYZ color 29.9920, 24.4137, 17.5996 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 29.9920, 24.4137, 17.5996 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 29.9920, 24.4137, 17.5996

Background



This preview shows how black text looks on a background with the XYZ color 29.9920, 24.4137, 17.5996.



This preview shows how white text looks on a background with the XYZ color 29.9920, 24.4137,

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

29.9920, 24.4137, 17.5996

Protanopia

23.2893, 24.6910, 20.9911

Deuteranopia

24.8822, 24.3768, 17.0294



Tritanopia

30.7654, 24.3869, 21.4980

Trichromacy



Original Color

29.9920, 24.4137, 17.5996

Protanomaly

25.2428, 24.3092, 19.5814

Deuteranomaly

26.5650, 24.2748, 17.1953

Tritanomaly

30.5768, 24.4930, 19.9457

Monochromacy



Original Color

29.9920, 24.4137, 17.5996

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3913, 24.3007, 23.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9920, 24.4137, 17.5996 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, 116, 109)` looks like.

```
.text, #text, p{  
    color:rgb(189, 116, 109)  
}
```

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, 116, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 116, 109) }
```

Border

The CSS property to change the border of an element to XYZ 29.9920, 24.4137, 17.5996 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, 116, 109) }
```


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

```
.border{ border-color:rgb(189, 116, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 116, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 116, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 116, 109);  
box-shadow:4px 4px 4px 4px rgb(189, 116,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9920, 24.4137, 17.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 116, 109) }
```

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

```
.background{ background-color: rgb(189,  
116, 109) }
```

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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