

Converting Colors

XYZ(33.1502, 30.0637, 20.7166)

Have a look what the booklet for
XYZ(33.1502, 30.0637, 20.7166)
contains.

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Color

**XYZ(33.0843, 29.9711,
20.5643)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8974
RGB	189, 137, 116
RGB Percent	74%, 54%, 45%
CMY	0.2588, 0.4627, 0.5451
CMYK	0.00, 0.28, 0.39, 0.26
HSL	17°, 36%, 60%
HSV	17°, 39%, 74%
XYZ	33.0843, 29.9711, 20.5643
YIQ	150.1540, 37.7330, 4.4930

Conversions

Conversions Part 2

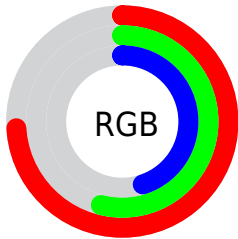
Format	Color
R _Y B	189, 145, 116
Decimal	12421492
CIE Lab	61.63, 17.11, 19.09
CIE LCh	62, 25.640, 48.135
Yxy	29.9711, 0.3957, 0.3584
Android (android.graphics.Color)	4290611572 (0xFFBD8974)
YUV	150.1540, -16.8379, 34.0679
Hunter-Lab	54.7459, 12.0668, 16.0509

Details

The XYZ color **33.0843, 29.9711, 20.5643** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.3898, 35.3910, 53.3735**, and the grayscale version is **29.1135, 30.6297, 33.3557**.

A 20% lighter version of the original color is **64.0565, 59.8629, 45.2243**, and **14.2831, 12.3021, 7.0906** is the 20% darker color. If you saturate the color by 10%, you get **30.2992, 25.9848, 14.7527**, and if you desaturate by 10%, it is **36.3335, 34.5273, 27.6347**.

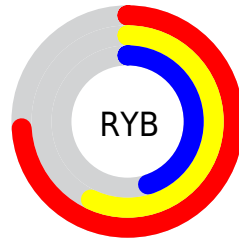
Distribution



Red (74%)

Green (54%)

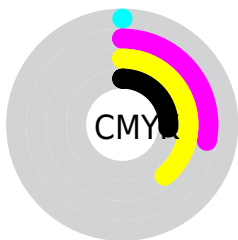
Blue (45%)



Red (74%)

Yellow (57%)

Blue (45%)

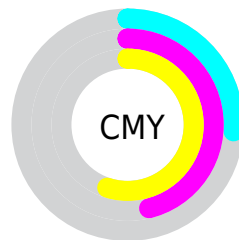


Cyan (0%)

Magenta (28%)

Yellow (39%)

Black (26%)



Cyan (26%)


Magenta (46%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0843, 29.9711, 20.5643 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 33.0843, 29.9711, 20.5643 by changing the saturation by 10% instead.


 33.0843, 29.9711,
20.5643


 33.0843, 29.9711,
20.5643


307.6877,
301.7697, 267.6584

 22.3506, 19.8167,
12.6178


 63.8609, 59.6165,
45.2326

 14.2328, 12.2618,
7.0383


 84.6345, 79.8762,
62.7915

 8.3655, 6.9223,
3.4072


 109.4855,
104.2731, 84.3915

 4.3835, 3.4135,
1.3061

138.7791,
133.1916, 110.4513

 1.9213, 1.3512,
0.0668

172.8808,
167.0162, 141.3893

 0.5892, 0.1804,
0.0000

212.1559,

 0.0000, 0.0000,

206.1311, 177.6241

0.0000

256.9697,
250.9208, 219.5743

■ 33.0843, 29.9711,
20.5643

■ 33.0843, 29.9711,
20.5643

■ 30.2992, 25.9848,
14.7527

■ 36.3335, 34.5273,
27.6347

■ 27.9533, 22.5411,
10.1232

■ 40.0652, 39.6707,
36.0307

■ 26.0231, 19.6169,
6.5936


■ 44.2996, 45.4233,
45.8165


■ 24.4814, 17.1854,
4.0703


■ 49.0552, 51.8043,
57.0516


■ 23.2974, 15.2171,
2.4434


■ 54.3494, 58.8324,
69.7920


 22.4260, 13.6755,
1.5324

 60.1987, 66.5254,
84.0907

 22.3232, 13.4927,
1.4278

 66.6190, 74.9003,
99.9981

 71.5981, 83.1625,
106.8861

 74.7962, 89.5588,
107.9521

Harmonies

Analogous

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



35.1741, 29.9711, 27.1370



33.0843, 29.9711, 20.5643



29.8544, 29.9711, 17.5054

Triad

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



33.0843, 29.9711, 20.5643



22.5465, 29.9711, 28.9273



30.5739, 29.9711, 53.8981

Complementary

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



33.0843, 29.9711, 20.5643



30.3898, 35.3910, 53.3735

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.



27.1613, 29.9711, 54.6433



33.0843, 29.9711, 20.5643



22.7055, 29.9711, 38.8260

Square

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



33.0843, 29.9711, 20.5643



23.8828, 29.9711, 21.6490



24.3360, 29.9711, 48.6878



33.6471, 29.9711, 46.8182

Rectangle

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



33.0843, 29.9711, 20.5643



27.5700, 29.9711, 17.3658



24.3360, 29.9711, 48.6878



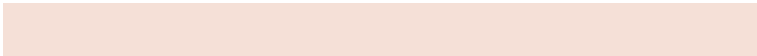
29.4234, 29.9711, 54.9428

Sweetspot

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



33.0851, 29.9725, 20.5649



76.5292, 77.5495, 75.5110



34.3292, 26.1489, 40.4387



16.2431, 16.3861, 15.7426



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.



33.0851, 29.9725, 20.5649



55.1462, 47.8112, 28.2207



39.1175, 42.0374, 22.5757



9.7478, 9.9716, 9.9876



15.0774, 9.1936, 0.9799



0.6487, 0.4763, 0.0577

Inverse Universe

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



30.3898, 35.3910, 53.3735



49.6402, 58.7884, 94.9572



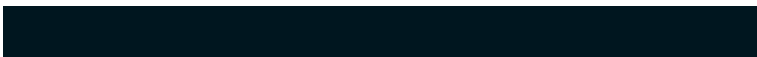
24.6145, 23.8403, 51.4484



9.5704, 10.3330, 12.1623



12.0419, 14.1955, 34.4982



0.5251, 0.6629, 1.3691

Previews

White Background



This preview shows how the XYZ color 33.0843, 29.9711, 20.5643 looks on a white background.

Color Contrast Check

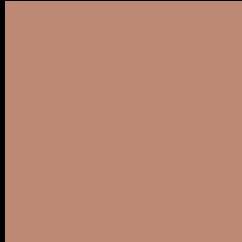
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0843, 29.9711, 20.5643 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 33.0843, 29.9711, 20.5643

Background



This preview shows how black text looks on a background with the XYZ color 33.0843, 29.9711, 20.5643.



This preview shows how white text looks on a background with the XYZ color 33.0843, 29.9711,

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

33.0843, 29.9711, 20.5643

Protanopia

28.3608, 30.1691, 22.7408

Deuteranopia

30.5962, 29.9967, 20.3970



Tritanopia

35.0837, 29.9647, 29.9213

Trichromacy



Original Color

33.0843, 29.9711, 20.5643

Protanomaly

29.8777, 30.0419, 21.9932

Deuteranomaly

31.4418, 29.9909, 20.3513

Tritanomaly

34.2446, 29.8200, 26.1413

Monochromacy



Original Color

33.0843, 29.9711, 20.5643

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.0227, 29.9783, 28.2488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0843, 29.9711, 20.5643 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, 137, 116)` looks like.

```
.text, #text, p{  
    color:rgb(189, 137, 116)  
}
```

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, 137, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 137, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.0843, 29.9711, 20.5643 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, 137, 116) }
```


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

```
.border{ border-color:rgb(189, 137, 116) }
```

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

Here you see how a box with a 4 pixel rgb(189, 137, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 137, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 137, 116);  
box-shadow:4px 4px 4px 4px rgb(189, 137,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0843, 29.9711, 20.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 137, 116) }
```

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

```
.background{ background-color: rgb(189,  
137, 116) }
```

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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