

Converting Colors

XYZ(32.9177, 30.0721, 21.5347)

Have a look what the booklet for
XYZ(32.9177, 30.0721, 21.5347)
contains.

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Color

**XYZ(32.9118, 30.0737,
21.5229)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8A77
RGB	187, 138, 119
RGB Percent	73%, 54%, 47%
CMY	0.2667, 0.4588, 0.5333
CMYK	0.00, 0.26, 0.36, 0.27
HSL	17°, 33%, 60%
HSV	17°, 36%, 73%
XYZ	32.9118, 30.0737, 21.5229
YIQ	150.4850, 35.3030, 4.4790

Conversions

Conversions Part 2

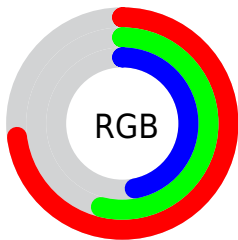
Format	Color
RYB	187, 145, 119
Decimal	12290679
CIELab	61.72, 16.12, 17.49
CIELCh	62, 23.785, 47.340
Yxy	30.0737, 0.3895, 0.3559
Android (android.graphics.Color)	4290480759 (0xFFBB8A77)
YUV	150.4850, -15.5221, 32.0237
Hunter-Lab	54.8395, 11.1573, 15.1181

Details

The XYZ color **32.9118, 30.0737, 21.5229** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5795, 35.5137, 52.2569**, and the grayscale version is **29.2498, 30.7730, 33.5118**.

A 20% lighter version of the original color is **63.5085, 59.8726, 46.7374**, and **14.1428, 12.3399, 7.5977** is the 20% darker color. If you saturate the color by 10%, you get **30.0828, 26.0395, 15.5737**, and if you desaturate by 10%, it is **36.2032, 34.6788, 28.7170**.

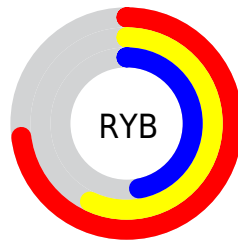
Distribution



Red (73%)

Green (54%)

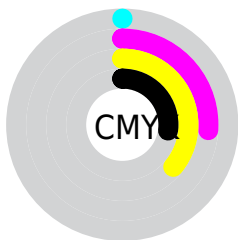
Blue (47%)



Red (73%)

Yellow (57%)

Blue (47%)

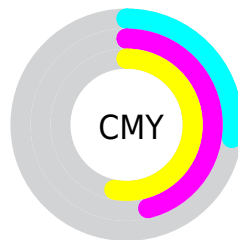


Cyan (0%)

Magenta (26%)

Yellow (36%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9118, 30.0737, 21.5229 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 32.9118, 30.0737, 21.5229 by changing the saturation by 10% instead.


 32.9118, 30.0737,
21.5229

 32.9118, 30.0737,
21.5229


306.9241,
302.2478, 272.9163


 22.2178, 19.8945,
13.3118


 63.5934, 59.7787,
46.8482

 14.1345, 12.3184,
7.5104


 84.3117, 80.0733,
64.7995

 8.2966, 6.9609,
3.7000


 109.1022,
104.5086, 86.8346

 4.3387, 3.4377,
1.4623

138.3301,
133.4688, 113.3721

 1.8955, 1.3643,
0.1896

172.3610,
167.3385, 144.8304

 0.5742, 0.1902,
0.0000

211.5600,

 0.0000, 0.0000,

206.5020, 181.6282

0.0000

256.2926,
251.3436, 224.1840

■ 32.9118, 30.0737,
21.5229

■ 32.9118, 30.0737,
21.5229

■ 30.0828, 26.0395,
15.5737

■ 36.2032, 34.6788,
28.7170

■ 27.6921, 22.5493,
10.7962

■ 39.9749, 39.8719,
37.2200

■ 25.7168, 19.5802,
7.1121


■ 44.2468, 45.6747,
47.0936

■ 24.1308, 17.1058,
4.4327


■ 49.0366, 52.1065,
58.3950

■ 22.9046, 15.0974,
2.6552


■ 54.3615, 59.1855,
71.1781


 22.0019, 13.5220,
1.6457

 60.2377, 66.9295,
85.4942

 21.7332, 13.0442,
1.3723

 66.6807, 75.3554,
101.3918

 71.4373, 83.5722,
106.9737

 74.3035, 89.3048,
107.9291

Harmonies

Analogous

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



34.7989, 30.0737, 27.8181



32.9118, 30.0737, 21.5229



29.9394, 30.0737, 18.5081

Triad

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



32.9118, 30.0737, 21.5229



23.0456, 30.0737, 29.0702



30.4375, 30.0737, 52.3697

Complementary

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



32.9118, 30.0737, 21.5229



30.5795, 35.5137, 52.2569

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.



27.2704, 30.0737, 52.8754



32.9118, 30.0737, 21.5229



23.1572, 30.0737, 38.2221

Square

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



32.9118, 30.0737, 21.5229



24.3363, 30.0737, 22.2931



24.6535, 30.0737, 47.3152



33.2995, 30.0737, 46.0399

Rectangle

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



32.9118, 30.0737, 21.5229



27.8133, 30.0737, 18.3166



24.6535, 30.0737, 47.3152



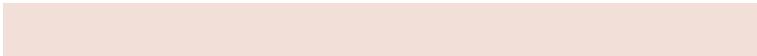
29.3691, 30.0737, 53.2631

Sweetspot

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



32.9126, 30.0751, 21.5235



75.4481, 76.6608, 75.5171



34.2395, 26.6183, 40.8039



16.3871, 16.5723, 16.1042



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.



32.9126, 30.0751, 21.5235



54.6599, 47.7620, 29.5042



38.4116, 41.0731, 23.3565



9.7414, 9.9588, 9.9855



15.0278, 9.0944, 0.9633



0.6459, 0.4708, 0.0568

Inverse Universe

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



30.5795, 35.5137, 52.2569



49.8217, 58.9494, 92.9539



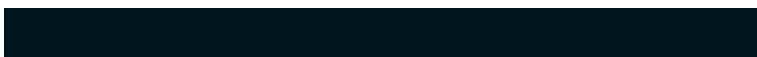
25.2230, 24.8009, 50.4714



9.5771, 10.3465, 12.1645



12.1879, 14.4876, 34.5469



0.5299, 0.6725, 1.3707

Previews

White Background



This preview shows how the XYZ color 32.9118, 30.0737, 21.5229 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.9118, 30.0737, 21.5229 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 ✓ Pass

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

XYZ 32.9118, 30.0737, 21.5229

Background



This preview shows how black text looks on a background with the XYZ color 32.9118, 30.0737, 21.5229.



This preview shows how white text looks on a background with the XYZ color 32.9118, 30.0737,

21.5229.

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

32.9118, 30.0737, 21.5229

Protanopia

28.4861, 30.2192, 23.4003

Deuteranopia

30.5480, 29.9516, 21.3107



Tritanopia

34.8711, 30.0417, 30.7488

Trichromacy



Original Color

32.9118, 30.0737, 21.5229

Protanomaly

30.0004, 30.0910, 22.6393

Deuteranomaly

31.3853, 29.9415, 21.2646

Tritanomaly

34.0942, 29.9243, 27.2716

Monochromacy



Original Color

32.9118, 30.0737, 21.5229

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.0433, 30.2084, 28.6734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9118, 30.0737, 21.5229 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(187, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 138, 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(187, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 32.9118, 30.0737, 21.5229 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(187, 138, 119) }
```


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

```
.border{ border-color:rgb(187, 138, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 138, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 138, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 138, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 138,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9118, 30.0737, 21.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 138, 119) }
```

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

```
.background{ background-color: rgb(187,  
138, 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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