

Converting Colors

XYZ(42.4840, 47.1806, 29.3532)

Have a look what the booklet for
XYZ(42.4840, 47.1806, 29.3532)
contains.

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Color

**XYZ(42.3911, 47.1105,
29.4132)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB986
RGB	188, 185, 134
RGB Percent	74%, 73%, 53%
CMY	0.2627, 0.2745, 0.4745
CMYK	0.00, 0.02, 0.29, 0.26
HSL	57°, 29%, 63%
HSV	57°, 29%, 74%
XYZ	42.3911, 47.1105, 29.4132
YIQ	180.0830, 18.1590, -15.2250

Conversions

Conversions Part 2

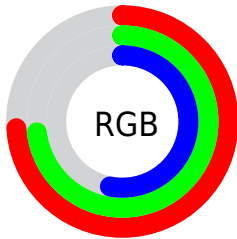
Format	Color
RYB	137, 188, 134
Decimal	12368262
CIELab	74.26, -7.04, 26.33
CIELCh	74, 27.258, 104.961
Yxy	47.1105, 0.3565, 0.3962
Android (android.graphics.Color)	4290558342 (0xFFBCB986)
YUV	180.0830, -22.7189, 6.9432
Hunter-Lab	68.6371, -9.8711, 22.6383

Details

The XYZ color **42.3911, 47.1105, 29.4132** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.8542, 26.5899, 51.2415**, and the grayscale version is **43.5393, 45.8068, 49.8836**.

A 20% lighter version of the original color is **78.1886, 85.9539, 60.0467**, and **19.6830, 22.2110, 11.6372** is the 20% darker color. If you saturate the color by 10%, you get **40.9778, 46.1990, 23.0381**, and if you desaturate by 10%, it is **44.0415, 48.1227, 37.0186**.

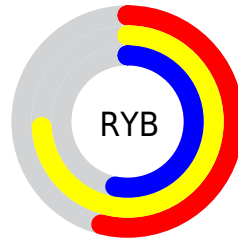
Distribution



Red (74%)

Green (73%)

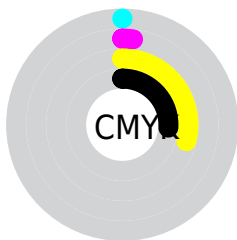
Blue (53%)



Red (54%)

Yellow (74%)

Blue (53%)

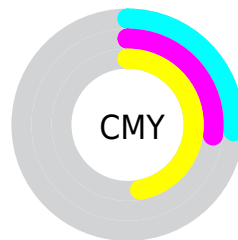


Cyan (0%)

Magenta (2%)

Yellow (29%)

Black (26%)



Cyan (26%)


Magenta (27%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3911, 47.1105, 29.4132 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 42.3911, 47.1105, 29.4132 by changing the saturation by 10% instead.


 42.3911, 47.1105,
29.4132


 42.3911, 47.1105,
29.4132


347.0658,
375.2554, 313.2813


 29.6001, 33.1230,
19.1454

 78.0527, 85.8785,
59.7829

 19.6818, 22.2207,
11.5975

 101.6539,
111.4279, 80.7219

 12.2709, 14.0192,
6.3510


 129.5893,
141.6000, 106.0550

 7.0019, 8.1340,
2.9875

162.2242,
176.7792, 136.2008

 3.5097, 4.1808,
1.0882

199.9239,
217.3500, 171.5777

 1.4287, 1.7752,
0.0000

243.0539,

 0.2765, 0.4717,

263.6967, 212.6045

0.0000

291.9794,
316.2037, 259.6995

■ 0.0000, 0.0000,
0.0000

■ 42.3911, 47.1105,
29.4132

■ 42.3911, 47.1105,
29.4132

■ 40.9778, 46.1990,
23.0381

■ 44.0415, 48.1227,
37.0186

■ 39.7858, 45.3769,
17.8252

■ 45.9369, 49.2338,
45.9114

■ 38.8026, 44.6409,
13.7045

■ 48.0892, 50.4503,
56.1491

■ 38.0133, 43.9850,
10.5972

■ 50.5084, 51.7761,
67.7844

■ 37.4011, 43.4024,
8.4139

■ 53.2041, 53.2151,
80.8675

■ 36.9458, 42.8852,
7.0497

■ 56.1852, 54.7708,
95.4461

■ 36.6139, 42.4198,
6.3270

■ 57.7059, 55.7450,
102.3262

■ 36.5743, 42.3617,
6.2490

■ 57.9362, 56.2056,
102.4029

■ 58.1682, 56.6695,
102.4803

Harmonies

Analogous

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



47.2638, 47.1105, 29.4197



42.3911, 47.1105, 29.4132



38.4505, 47.1105, 34.4894

Triad

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



42.3911, 47.1105, 29.4132



38.4424, 47.1105, 72.7961



54.4951, 47.1105, 58.6118

Complementary

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



42.3911, 47.1105, 29.4132



27.8542, 26.5899, 51.2415

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.



51.7622, 47.1105, 72.8287



42.3911, 47.1105, 29.4132



42.3792, 47.1105, 81.9773

Square

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



42.3911, 47.1105, 29.4132



36.2863, 47.1105, 58.5732



47.2510, 47.1105, 81.9902



54.4988, 47.1105, 44.6468

Rectangle

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



42.3911, 47.1105, 29.4132



36.7800, 47.1105, 40.7124



47.2510, 47.1105, 81.9902



53.8568, 47.1105, 63.5695

Sweetspot

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



42.3923, 47.1126, 29.4142



83.0982, 89.1393, 82.4740



33.8231, 29.5655, 27.8178



17.7567, 19.1036, 17.2014



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.



42.3923, 47.1126, 29.4142



75.2835, 84.3975, 46.3039



37.7207, 45.6445, 29.3770



10.2757, 11.0274, 10.1635



24.9198, 28.8784, 4.2607



0.9901, 1.1591, 0.1715

Inverse Universe

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



27.8542, 26.5899, 51.2415



44.9335, 41.5565, 91.8792



31.5855, 27.8900, 51.2958



9.0578, 9.3080, 11.9914



6.2754, 2.6625, 32.5761



0.2605, 0.1337, 1.2809

Previews

White Background



This preview shows how the XYZ color 42.3911, 47.1105, 29.4132 looks on a white background.

Color Contrast Check

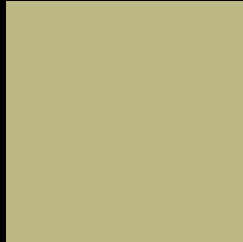
Large Text (above 18pt) WCAG AA × Fail

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 42.3911, 47.1105, 29.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

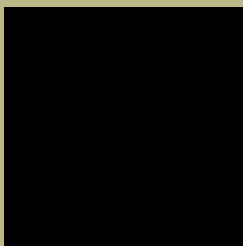
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

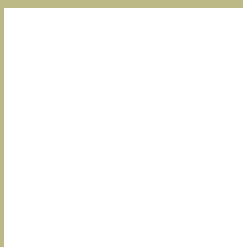
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3911, 47.1105, 29.4132

Background



This preview shows how black text looks on a background with the XYZ color 42.3911, 47.1105, 29.4132.



This preview shows how white text looks on a background with the XYZ color 42.3911, 47.1105,

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

42.3911, 47.1105, 29.4132

Protanopia

43.7265, 46.8851, 28.9354

Deuteranopia

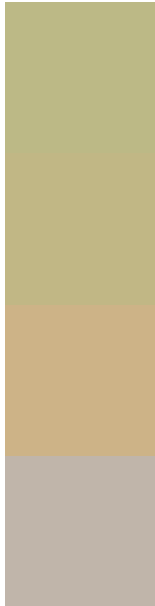
47.7982, 46.8846, 29.8229



Tritanopia

47.8300, 47.2045, 55.8807

Trichromacy



Original Color

42.3911, 47.1105, 29.4132

Protanomaly

43.1594, 46.8979, 28.9678

Deuteranomaly

45.6701, 46.9686, 29.5804

Tritanomaly

45.5178, 47.1565, 44.7333

Monochromacy



Original Color

42.3911, 47.1105, 29.4132

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.8672, 46.1675, 41.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3911, 47.1105, 29.4132 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(188, 185, 134)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 134)  
}
```

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(188, 185, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 134) }
```

Border

The CSS property to change the border of an element to XYZ 42.3911, 47.1105, 29.4132 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(188, 185, 134) }
```


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

```
.border{ border-color:rgb(188, 185, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 185, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 134);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3911, 47.1105, 29.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 134) }
```

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

```
.background{ background-color: rgb(188,  
185, 134) }
```

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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