

Converting Colors

XYZ(48.6084, 47.2247, 33.8960)

Have a look what the booklet for
XYZ(48.6084, 47.2247, 33.8960)
contains.

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Color

**XYZ(48.5426, 47.1823,
33.7428)**

Conversions

Conversions Part 1

Format	Color
Hex	D7AF92
RGB	215, 175, 146
RGB Percent	84%, 69%, 57%
CMY	0.1569, 0.3137, 0.4274
CMYK	0.00, 0.19, 0.32, 0.16
HSL	25°, 46%, 71%
HSV	25°, 32%, 84%
XYZ	48.5426, 47.1823, 33.7428
YIQ	183.6540, 33.1490, -0.5390

Conversions

Conversions Part 2

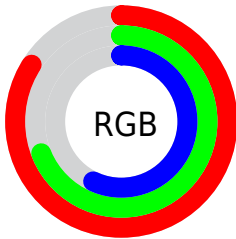
Format	Color
R_{YB}	215, 196, 146
Decimal	14135186
CIE _{Lab}	74.31, 10.42, 20.36
CIE _{LCh}	74, 22.867, 62.903
Yxy	47.1823, 0.3749, 0.3644
Android (android.graphics.Color)	4292325266 (0xFFD7AF92)
YUV	183.6540, -18.5634, 27.4904
Hunter-Lab	68.6894, 5.9391, 18.9571

Details

The XYZ color **48.5426, 47.1823, 33.7428** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.6783, 46.1337, 70.9981**, and the grayscale version is **45.4564, 47.8237, 52.0800**.

A 20% lighter version of the original color is **80.2412, 82.5820, 66.3543**, and **23.4466, 22.3631, 13.9072** is the 20% darker color. If you saturate the color by 10%, you get **44.7105, 41.9474, 24.9757**, and if you desaturate by 10%, it is **52.9156, 52.9952, 44.2430**.

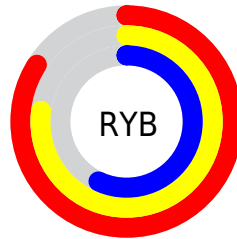
Distribution



Red (84%)

Green (69%)

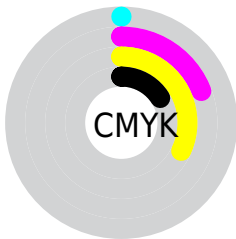
Blue (57%)



Red (84%)

Yellow (77%)

Blue (57%)

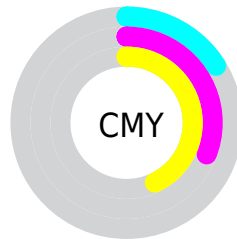


Cyan (0%)

Magenta (19%)

Yellow (32%)

Black (16%)



Cyan (16%)


Magenta (31%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5426, 47.1823, 33.7428 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 48.5426, 47.1823, 33.7428 by changing the saturation by 10% instead.

 48.5426, 47.1823,
33.7428

 48.5426, 47.1823,
33.7428


371.4857,
375.5417, 333.7178

 34.4698, 33.1798,
22.4203


 87.2166, 85.9857,
66.6628

 23.4194, 22.2642,
13.9648


 112.5484,
111.5553, 89.0974

 15.0259, 14.0512,
7.9577


142.3641,
141.7495, 116.0732

 8.9240, 8.1563,
3.9805

177.0288,
176.9526, 148.0086

 4.7483, 4.1951,
1.6147

216.9079,
217.5489, 185.3222

 2.1336, 1.7833,
0.3012

262.3669,

 0.7074, 0.4767,

263.9230, 228.4326

0.0000

313.7711,
316.4591, 277.7583

■ 0.0000, 0.0000,
0.0000

■ 48.5426, 47.1823,
33.7428

■ 48.5426, 47.1823,
33.7428

■ 44.7105, 41.9474,
24.9757

■ 52.9156, 52.9952,
44.2430

■ 41.3918, 37.2648,
17.8436

■ 57.8480, 59.3975,
56.5610

■ 38.5622, 33.1163,
12.2432

■ 63.3616, 66.4088,
70.7796

■ 36.1934, 29.4800,
8.0578

■ 69.4761, 74.0455,
86.9756

■ 34.2533, 26.3322,
5.1537

■ 76.2102, 82.3233,
105.2214

■ 32.7049, 23.6463,
3.3708

■ 80.1916, 89.9016,
107.7339

■ 31.7123, 21.8230,
2.5408

■ 81.8344, 93.1871,
108.2815

Harmonies

Analogous

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



51.8137, 47.1823, 40.0327



48.5426, 47.1823, 33.7428



44.4463, 47.1823, 31.9212

Triad

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



48.5426, 47.1823, 33.7428



37.4061, 47.1823, 52.5283



49.2771, 47.1823, 72.8174

Complementary

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



48.5426, 47.1823, 33.7428



41.6783, 46.1337, 70.9981

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.



45.2468, 47.1823, 77.4573



48.5426, 47.1823, 33.7428



38.5316, 47.1823, 64.6762

Square

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



48.5426, 47.1823, 33.7428



38.1710, 47.1823, 41.7376



41.3408, 47.1823, 74.2733



52.2557, 47.1823, 62.3889

Rectangle

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



48.5426, 47.1823, 33.7428



41.8394, 47.1823, 33.2165



41.3408, 47.1823, 74.2733



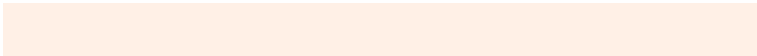
47.9920, 47.1823, 75.1721

Sweetspot

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



48.5438, 47.1845, 33.7438



86.6774, 89.3943, 87.1817



47.1931, 38.5612, 51.5500



18.3159, 18.8309, 18.0571



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5438, 47.1845, 33.7438



67.2495, 63.7386, 40.0114



56.0747, 62.2463, 36.2541



12.8480, 13.2701, 13.0449



19.0675, 13.2522, 1.5530



1.2309, 0.9610, 0.1206

Inverse Universe

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



41.6783, 46.1337, 70.9981



55.5169, 61.9302, 103.6354



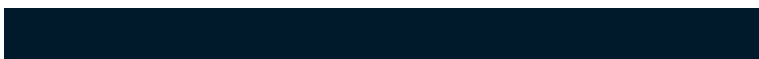
35.3080, 33.3933, 68.8747



12.3345, 13.1924, 15.8338



11.8013, 11.8644, 40.1212



0.7929, 0.8777, 2.4469

Previews

White Background



This preview shows how the XYZ color 48.5426, 47.1823, 33.7428 looks on a white background.

Color Contrast Check

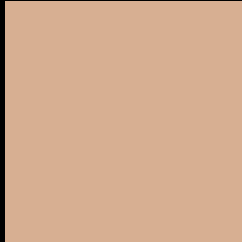
Large Text (above 18pt) WCAG AA × Fail

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 48.5426, 47.1823, 33.7428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

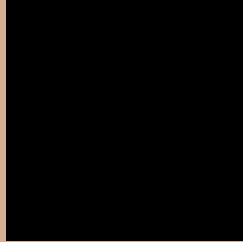
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5426, 47.1823, 33.7428

Background



This preview shows how black text looks on a background with the XYZ color 48.5426, 47.1823, 33.7428.



This preview shows how white text looks on a background with the XYZ color 48.5426, 47.1823,

33.7428.

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

48.5426, 47.1823, 33.7428

Protanopia

44.6866, 47.5383, 35.6747

Deuteranopia

48.1542, 47.2721, 33.7806



Tritanopia

52.1354, 47.2284, 51.1679

Trichromacy



Original Color

48.5426, 47.1823, 33.7428

Protanomaly

46.1032, 47.3690, 35.1470

Deuteranomaly

48.4452, 47.4221, 33.7942

Tritanomaly

50.9217, 47.3128, 44.4786

Monochromacy



Original Color

48.5426, 47.1823, 33.7428

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.2852, 47.5521, 44.7692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5426, 47.1823, 33.7428 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(215, 175, 146)` looks like.

```
.text, #text, p{  
    color:rgb(215, 175, 146)  
}
```

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(215, 175, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 175, 146) }
```

Border

The CSS property to change the border of an element to XYZ 48.5426, 47.1823, 33.7428 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(215, 175, 146) }
```


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

```
.border{ border-color:rgb(215, 175, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 175, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 175, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 175, 146);  
box-shadow:4px 4px 4px 4px rgb(215, 175,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5426, 47.1823, 33.7428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 175, 146) }
```

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

```
.background{ background-color: rgb(215,  
175, 146) }
```

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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