

Converting Colors

XYZ(47.0868, 44.7262, 30.4336)

Have a look what the booklet for
XYZ(47.0868, 44.7262, 30.4336)
contains.

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Color

**XYZ(47.1671, 44.8389,
30.5949)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A98B
RGB	216, 169, 139
RGB Percent	85%, 66%, 55%
CMY	0.1529, 0.3372, 0.4549
CMYK	0.00, 0.22, 0.36, 0.15
HSL	23°, 50%, 70%
HSV	23°, 36%, 85%
XYZ	47.1671, 44.8389, 30.5949
YIQ	179.6330, 37.6420, 0.6340

Conversions

Conversions Part 2

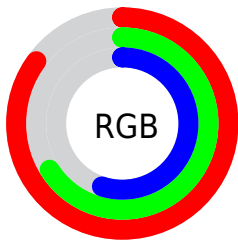
Format	Color
RYB	216, 188, 139
Decimal	14199179
CIELab	72.79, 13.16, 22.08
CIELCh	73, 25.706, 59.209
Yxy	44.8389, 0.3847, 0.3657
Android (android.graphics.Color)	4292389259 (0xFFD8A98B)
YUV	179.6330, -20.0321, 31.8939
Hunter-Lab	66.9619, 8.5499, 19.7837

Details

The XYZ color **47.1671, 44.8389, 30.5949** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.6006, 45.5633, 71.6206**, and the grayscale version is **43.2764, 45.5302, 49.5824**.

A 20% lighter version of the original color is **77.5213, 78.4216, 61.5031**, and **22.6617, 20.9174, 12.2943** is the 20% darker color. If you saturate the color by 10%, you get **43.4122, 39.6101, 22.3111**, and if you desaturate by 10%, it is **51.4835, 50.6913, 40.6052**.

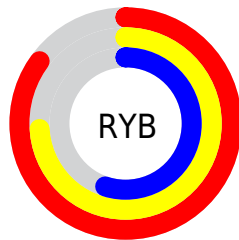
Distribution



Red (85%)

Green (66%)

Blue (55%)



Red (85%)

Yellow (74%)

Blue (55%)

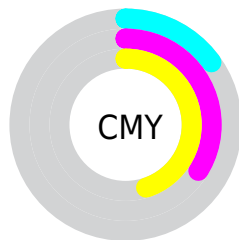


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (15%)



Cyan (15%)


Magenta (34%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1671, 44.8389, 30.5949 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 47.1671, 44.8389, 30.5949 by changing the saturation by 10% instead.


 47.1671, 44.8389,
30.5949


 47.1671, 44.8389,
30.5949


366.1189,
366.1207, 318.9609


 33.3763, 31.3306,
20.0347


 85.1802, 82.4786,
61.6738

 22.5755, 20.8507,
12.2359


 110.1332,
107.3788, 83.0296

 14.3993, 13.0149,
6.7801


 139.5377,
136.8450, 108.8210

 8.4825, 7.4388,
3.2486

173.7589,
171.2616, 139.4665

 4.4596, 3.7380,
1.2229

213.1623,
211.0131, 175.3847

 1.9653, 1.5281,
0.0000

258.1132,

 0.6143, 0.3084,

256.4839, 216.9941

0.0000

308.9769,
308.0583, 264.7133

■ 0.0000, 0.0000,
0.0000

■ 47.1671, 44.8389,
30.5949

■ 47.1671, 44.8389,
30.5949

■ 43.4122, 39.6101,
22.3111

■ 51.4835, 50.6913,
40.6052

■ 40.1895, 34.9765,
15.6514

■ 56.3818, 57.1817,
52.4308

■ 37.4722, 30.9169,
10.5068

■ 61.8857, 64.3319,
66.1576

■ 35.2293, 27.4060,
6.7534

■ 68.0163, 72.1608,
81.8653

■ 33.4255, 24.4162,
4.2475

■ 74.7936, 80.6862,
99.6289

■ 32.0187, 21.9161,
2.8126

■ 79.9686, 89.0181,
107.5752

■ 31.5024, 20.9657,
2.3864

■ 82.1290, 93.3390,
108.2953

Harmonies

Analogous

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



50.5620, 44.8389, 37.7761



47.1671, 44.8389, 30.5949



42.7366, 44.8389, 28.1273

Triad

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



47.1671, 44.8389, 30.5949



34.5947, 44.8389, 48.4834



46.9478, 44.8389, 73.5899

Complementary

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



47.1671, 44.8389, 30.5949



40.6006, 45.5633, 71.6206

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.



42.4996, 44.8389, 77.7752



47.1671, 44.8389, 30.5949



35.5530, 44.8389, 61.8349

Square

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



47.1671, 44.8389, 30.5949



35.6581, 44.8389, 37.2829



38.3713, 44.8389, 73.1447



50.4293, 44.8389, 62.5256

Rectangle

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



47.1671, 44.8389, 30.5949



39.8544, 44.8389, 29.0845



38.3713, 44.8389, 73.1447



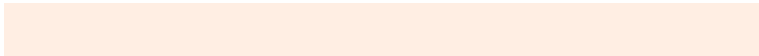
45.5065, 44.8389, 75.9254

Sweetspot

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



47.1683, 44.8410, 30.5958



85.6379, 87.8826, 85.0863



46.4663, 36.6304, 51.3460



18.0983, 18.5087, 17.6359



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.



47.1683, 44.8410, 30.5958



64.3775, 59.3145, 34.9856



55.2963, 61.0970, 33.3051



12.8162, 13.2065, 13.0343



18.7439, 12.6050, 1.4451



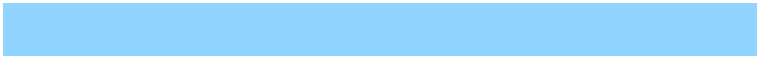
1.2098, 0.9187, 0.1136

Inverse Universe

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



40.6006, 45.5633, 71.6206



53.4006, 60.4952, 103.4700



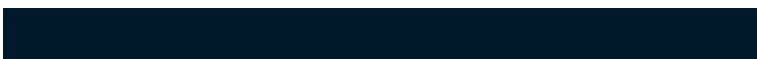
33.6299, 31.6220, 69.2971



12.3671, 13.2576, 15.8447



12.3145, 12.8907, 40.2923



0.8221, 0.9362, 2.4567

Previews

White Background



This preview shows how the XYZ color 47.1671, 44.8389, 30.5949 looks on a white background.

Color Contrast Check

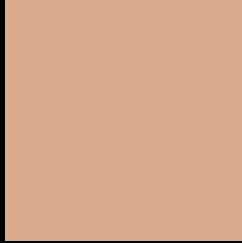
Large Text (above 18pt) WCAG AA × Fail

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 47.1671, 44.8389, 30.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

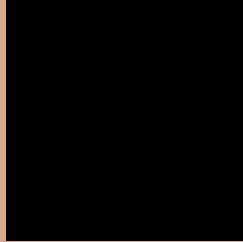
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1671, 44.8389, 30.5949

Background



This preview shows how black text looks on a background with the XYZ color 47.1671, 44.8389, 30.5949.



This preview shows how white text looks on a background with the XYZ color 47.1671, 44.8389,

30.5949.

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

47.1671, 44.8389, 30.5949

Protanopia

42.3132, 45.1705, 32.4752

Deuteranopia

45.9183, 45.0417, 30.3185



Tritanopia

50.6271, 44.9012, 47.0727

Trichromacy



Original Color

47.1671, 44.8389, 30.5949

Protanomaly

43.7656, 44.7551, 31.9231

Deuteranomaly

46.3017, 44.9578, 30.2821

Tritanomaly

49.4605, 44.9768, 40.7249

Monochromacy



Original Color

47.1671, 44.8389, 30.5949

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.3092, 45.1047, 41.9680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1671, 44.8389, 30.5949 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(216, 169, 139)` looks like.

```
.text, #text, p{  
    color:rgb(216, 169, 139)  
}
```

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(216, 169, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 169, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.1671, 44.8389, 30.5949 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(216, 169, 139) }
```


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

```
.border{ border-color:rgb(216, 169, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 169, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 169, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 169, 139);  
box-shadow:4px 4px 4px 4px rgb(216, 169,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1671, 44.8389, 30.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 169, 139) }
```

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

```
.background{ background-color: rgb(216,  
169, 139) }
```

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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